

Data Book 1957

THE HISTORY AND GROWTH OF LINK-BELT COMPANY IS THE HISTORY AND GROWTH OF MODERN POWER TRANSMITTING AND CONVEYING MACHINERY

Tall, sturdy oaks from little acoms grow, and in many comparable ways has the Link-Belt organization of today grown normally and steadily from just an idea—the idea of a square detachable link that came to William Dana Ewart one Sunday morning while in church. That was 69 years

William Dana Rwart was a young dealer in farm implements in the early seventles, in partnership with C.W. Gore in Belle Plains, Iowa. They sold harvesters that were equipped with a chain built up of alternate square links made of round iron, and flat links of band iron, but this chain gave them a great deal of grief. I twee flater on one side, broke often, and stretched so that it frequently ran off the sprockets.

At first it was planned to build an entirely new harvester, but the real difficulty came after completion of a model machine, when Ewart attempted to find some one willing to finance the understaing. Finding none, Mr. Ewart continued to concentrate his thoughts on the development of a better drive chain, a detachable-link chain that could be repaired in the field, without need of halting the harvesting long enough to take the chain back to the barn for the need of mains.

With this in mind he had worked up rough models of a detachable link chain and had showed them to the proprietor of a near-by farm machine factory, who became enthusiastic over the possibilities of such a chain and agreed to produce true models of the new invention. Thus it was that Ewarth and finally obtained a patent on "an improvement in drive-chain." The patent was dated September 1, 1874.

To Chicago, Newr had come in search of equilate to exploit his new device. He had practically no money hissaff but he was possent of an idea that was to be worth a fortune. He featured his inventior's eyes upon the standing display of harvesting metallinesy in the Reposition Bullding. He was convinced that his idea would bring a recollicatory improvement in these metallines. Finally he persuaded one of the enhallors to be the recollicationsy improvement in these machines. All the machines, and the required to make the required to make the required to make the required of the reconstructor final to make the proposed to the intensity.

attracted a good deal of attention. Men who knew about farm machinery pronounced the improved device good.

So it was that in the year 1875 a small group of men were persuaded to form a corporation, The Ewart Manufacturing Company, to promote this new detachable drive chain...Ewart Detachable Link-Belt.

Following a successful exhibit of the new chains at the Philadelphia Centennial of 1876, the Ewart Manufacturing Company decided to establish an agency in that city. This was the first branching out of the young concern. A few years later, the company was strengthened by the employment of two engineers, and their addition was the beginning of the building of the engineering organization of conganization of companization of codes.

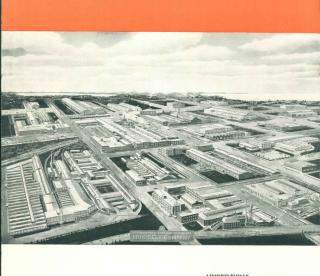
Such substantial recognition of his invention would have satisfied many a young man, but it did not curtail the ambition of Mr. Ewart. The idea of using his chains as a foundation for all types of power transmission and materials-handling equipment was continually active in his thought. It was this ambition and the development of many new uses for the Ewart chain that led to the founding of the Link-Belt Machinery Company in 1880; the Link-Belt Engineering Company in 1888; and the consolidation of all three companies-Ewart Manufacturing Company, Link-Belt Machinery Company and Link-Belt Engineering Company-in the year 1906. Now the widespread engineering and producing facilities of the three cooperating companies, which grew from a better chain drive, were under one strong, centralized control-Link-Belt Company.

Today, Link-Belt products find use wherever the wheels of industry turn—in the handling, preparing, manufacturing of an endless list of things affecting the sustemance, conveniences and comforts of our daily lives. This includes foods, clothing, furniture, automobiles, ores, coal, steel, sand, gravel, cement, fertilizer, etc.

Link-Belt products are varied, and include practically everything for handling and preparing materials mechanically and transmitting power efficiently from one shaft to another.

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LINKBELTVILLE - - - A composite view of Link-Belt manufacturing plants and warehouses A COMPLETE DATA BOOK

on

CHAINS AND SPROCKETS

for

DRIVES AND CONVEYORS

BOOK NO. 1957

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LINK-BELT COMPANY

LINK-BELT COMPANY .

MANUFACTURING PLANTS

Indianapolis Philadelphia San Francisco Atlanta Dallas Chicago

Toronto

SALES OFFICES

Buffalo 690 Ellicott Square Chicago 300 W. Pershing Road Chicago 2410 W. 18th St. Cleveland 548 Rockefeller Bldg.
 Dallas
 .500 Latimer St.

 Denver
 .521 Boston Bldg.

 Detroit
 .5938 Linsdale Ave.
 Houston 711 Main St. Huntington, W. Va. 2840 N. Staunton Rd. St. Paul 2694 University Ave.



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 Montreal
 1.80 Vallee St.

 Vancouver
 550 Beatty St.

 Swastika
 8 Boisvert St.

THE LEADING MANUFACTURER of DRIVING MACHINERY

THIS BOOK CONTAINS

complete information to assist you in the proper selection of Silverinke Roller Chain and Sprockets for Power Transmission Drives and Conveyors. This data is based on many years of application experience, extending to all phases of industrial activity. The assistance of our experienced engineering staff is at your service if you will communicate with our nearest office.

LIST PRICES

The prices given in this catalog are list prices, and are subject to change without notice. They are subject to discount, and supersede all former lists. A minimum charge of 50 cents must be made on any orders amounting to less.

TERMS OF PAYMENT . .

To customers with approved credit, net cash within 30 days from date of invoice.

Purchasers who are not rated may avoid delay by furnishing satisfactory references; or by instructing us to send bill in advance; or, in case of "stock" items, to ship by Express or Parcel Post C. O. D., or by freight with sight draft attached to bill of lading. Payments in New York or Chiegos Exchange or souivelent. Past due accounts are subject to draft.

DELIVERY OF GOODS

When not otherwise agreed upon, is f. o. b. factory at which the articles ordered are manufactured. If shipping instructions are not given, it is understood that we are to decide how the order is to be packed and shipped.

We are not responsible for goods after delivery to transportation company. If there are shortages, or evidences of damage, they should be noted on the shipping documents by the transportation agent, before receipt is signed. If desired, we will cooperate with customers to obtain adjustments from transportation companies.

Goods ordered shipped by Parcel Post will be insured, and the postal fees will be added to the invoice. Small packages are usually not shipped by freight, on account of the danger of loss or delay.

The time of delivery named by us is the date of shipment from our works, and is subject to delay occasioned by fire, strikes or other causes beyond our reasonable control. Acceptance of goods from transportation company constitutes a waiver of all claims for damages by reason of any delay.

QUALITY AND GUARANTY

We guarantee the material and workmanship of our products to be first class, in conformity with the best commercial practice in the various lines. All merchandise is carefully inspected before shipment, to insure against errors and defects.

Duplicate parts will be furnished to replace parts found to be defective, but we cannot allow charges for correcting defects, and no goods shall be returned to us without first writing us what the articles are, and receiving our consent to their return.

AND MATERIALS HANDLING EQUIPMENT . . .

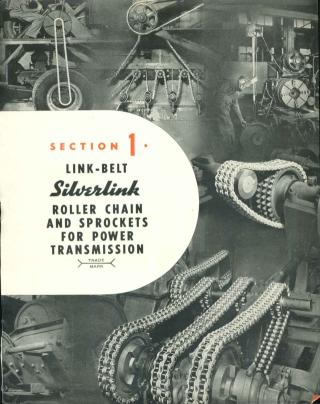


LOOK FOR THIS
TRADE MARK
IT IDENTIFIES
LINK-BELT CHAIN
AND IS YOUR
ASSURANCE OF
THE HIGHEST QUALITY

LINK-BELT COMPANY
Chain Makers Since 1875

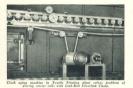








The Versatilethat will Power













Quadruple-Width choin drive from torque converter to countersh drenworks power unit for oil well drilling.

35,000 hva test generator is provided by using a 6 to 1 ratio tripl width Silverlink roller chain drive in combination with Link-Bei motorized reducer.

Positive - Efficient Roller Chain Drive Economically Solve Your Transmission Problems

Today, in thousands of different applications, Silverliak Roller Chain has become industry's most generally popular drive. This versatile drive is to be found on road graders, oil well drilling and pumping units, textile machinery, diesel engines, power shovels, motor trucks, airplanes, metal and wood working machinery, power graders, hoists, agricultural implements, steel mills and countless other equipment.

Roller Chain Drives can be applied to small machines requiring a fraction of a horse power or to units involving a thousand horse power or more. Both will transmit power at low cost with high efficiency.

Silverlink Roller Chain Drives are used on "first reduction drives, lineatheft and other shaft drives because of the positive speed ratio and their adaptability to heavy starting loads and their adaptability to heavy starting loads and their adaptwithstand severe shock. Chain flexibility reduces the destructive effects from sudden starting and stooping.

*For high speed drives where extreme smoothness of transmission and long life are required, the Link-Belt Silverstreak Silent Chain Drive is the better selection. It operates on long or short centers. See page 175.



Silverlink chains have won the approval of operators in every type of



Overhead camshaft on this diesel engine is driven by roller chain which is silent and compact without sacrificing reliability or performance,



Chain drives like illustration can be obtained quickly from loca distributors or direct from Link-Belt Wavehouses and plants. See page 58.

Silverlink



Triple Width Roller Chein Drive operating screen in eigar ing plant.



For Transmitting Close Regulation





Roller Chain Drives can be used in limited spaces as shown in this applica-tion on multiplex shredder,



Using roller chain drives in hook-up with reducers gives great flexibility in arrangement and location of equipment.

Heavy Loads at Moderate Speeds—of Machine Speeds—Built in Drives

Being particularly suitable for intermediate built-in drives Silverlink Roller Chain Drives have solved many intricate problems, and especially for coordinating the motion of widely separated shafts within a machine or when close regulation of machine speeds is of vital importance.

For applications where alternate directions of rotation are required, Silverlink Roller Chain can be wound back and forth over a series of sprockets as it is reversible and can be run in either side.

Roller Chain Drives can be used on long, intermediate or short center distances and can also be installed where available space is limited because the combination of strength and light weight permits the use of short pitch chains and small diameter sprockets.

When it is necessary to change the speed ratio of a drive this can be readily done by changing the size of the sprocket wheel and the length of chain without changing the center distance.

Roller Chains run slack yet are positive at all times and are not affected by heat, cold or moisture. There is no power loss through slippage or excessive bearing friction.

Roller Chain Drives are not difficult to install or service and require only periodic attention. Any mechanic can install a drive without any trouble.



iniform, accurate movement of these rolls by roller chain drives on roofing making machine gives efficient performance



Double width roller chain drive



Live Rolls on charging end of hardening and tempering steel furnace



The adaptability of roller chain for positive driving on short centers, or reverse motion is shown here on a drive oberstime flour-chilling screw conveyor.

Silverlink

Power Losses and When You Install



The sudden starting and stopping of heavy duty trucks is reflected through the



Double Width Roller Chain Drive and Herringbone Speed Reduces





Single and Double Width Roller Chain Drives on textile dye jig





Maintenance Costs Decrease Silverlink Chain Drives



e inherent flexibility of roller chains well suits them for various types of re building equipment.



Quadruple Width Roller Chain Drive operating brick machine



A Link-Belt Motorized Reducer with two Silverlink Roller Cham Drives operating two countershafts which drive agitators.



drive on elevator leg at terminal grain elevator





Silverlink Roller Chain is of accurately finished allsteel construction, built to the highest standards of precision. Silverlink combines great strength with comparatively light weight, is flexible and dependable in operation, and possesses outstanding ability to withstand severe shocks.

BUILT TO MOST EXACTING STANDARDS

From the time of the incoming raw material to the finished product ready for the user, every step in the production of Silverlink Roller Chain is under systematic control at all times. The closest tolerances are maintained to secure uniformity and accuracy of pitch—so essential to long life and smooth operation.

MADE TO MANUFACTURERS' STANDARD SPECIFICATIONS

Silverlink Roller Chains are made to Manufacturers' Standards according to specifications approved by the American Society of Mechanical Engineers, the Society of Automotive Engineers, the American Gear Manufacturers Association and the American Standards Association. This assures interchangeability. EXHAUSTIVE TESTS HAVE PROVED THE LINK-BELT CURLED ROLLER FAR SUPERIOR TO THE SOLIED STEEL THE ROLLED STEEL STIP USED IN THE MANUFACTURE OF THE CURLED ROLLER IS OF ALLOY STEEL AND

THE CURL WITH ITS SPRINGY RE-SILIENCE RESISTS THE STRESSES AND BLOWS OF ROUGH, GRUELING SERV-ICE. IT TAKES THE SEVEREST KIND OF PUNISHMENTWITHOUT DAMAGE.

MANUFACTURERS' STANDARD SIZES

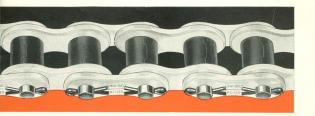
Manufacturers' Standard Sizes are available in single and multiple widths in all standard pitches of $\frac{3}{8}$ " to 21/ $\frac{3}{8}$ ".

MANUFACTURERS' HEAVY SIZES

Manufacturers' heavy sizes which have the same general appearance as the manufacturers' standard sizes, excepting for their thicker side bars and greater overall width. The heavy sizes range from 3½ "to 2½" pitch in single and multiple widths. These chains were developed for extra-heavy work, such as the grueling service encountered in oil well drilling service.

NON-STANDARD SIZES

Non-standard sizes are made in single width only, see page 45; are higher priced than the Manufacturers' Standard sizes, and are not regularly carried in stock.



Chain with the Shock Absorbing Carled Roller That Lengthens Chain Life— Reduces Wear and Repair Costs





SIDE BARS

The side bars are made of alloy rolled steel and heattreated for strength.

PINS

The pins are made of alloy steel, case-hardened for maximum durability, and provided with steel cotton as illustrated in this book, excepting that the smaller pitches, $\frac{3}{2}\%$, $\frac{1}{2}\%$ and $\frac{3}{2}\%$ are always furnished with riveted pin. The other pitches $(\frac{9}{4}\%$ to $2\frac{1}{2}\%)$ can also be supplied riveted, when requested.

BUSHINGS

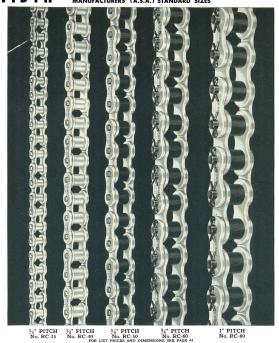
The bushings are made from steel, case-hardened for maximum durability, and pressed into the inner side bars.

UNIQUE LINK-BELT CURLED ROLLER

The Link Belt curled roller is made from heat t-reated alloy strip set of having a strong fibrous structure, with the fiber running around instead of across the roller, so as to give the greatest strength and resilience to the roller (where the greatest wear takes place), and offer the maximum resistance to shock. The curled roller relieves internal strains, and also gives as a pring effect which cushions the shocks and natterial. It is not seen to the contract the curled roller relieves internal strains, and also gives a spring effect which cushions the shocks and natterial. It is not seen that the strain of the curled roller relieves internal strains, and also gives a can be farmiable duon resource.

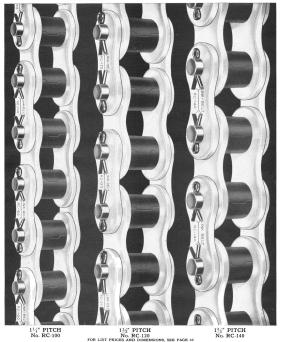
SINGLE WIDTH

Silverlink ROLLER CHAINS MANUFACTURERS' (A.S.A.) STANDARD SIZES



Silverlink ROLLER CHAINS MANUFACTURERS' (A.S.A.) STANDARD SIZES

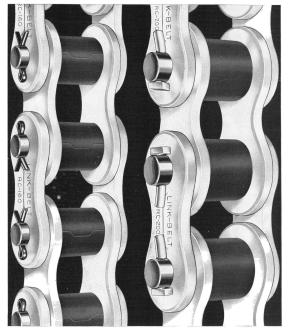




LINK-BELT

SINGLEWIDTH

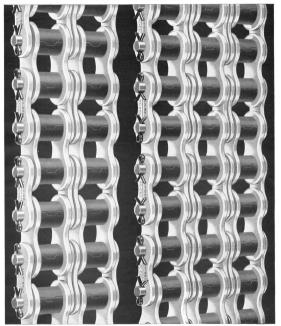
Silverlink ROLLER CHAINS MANUFACTURERS' (A.S.A.) STANDARD SIZES



 $2^{\rm v}$ PITCH No. RC-160 $2)/2^{\rm v}$ PITCH- No. RC-200 for list prices and dimensions, see page 44

Silverlink ROLLER CHAINS MANUFACTURERS' (A.S.A.) STANDARD SIZES

DOUBLE

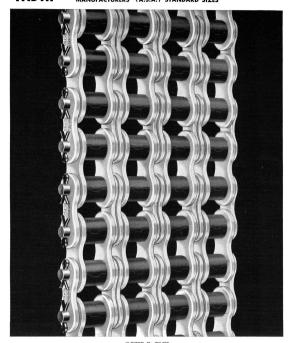


1" PITCH—No. RC-D80

MADE IN SIZES 3%" TO 21/2" PITCH—No. RC-E80
FOR LIST PRICES AND DIMENSIONS, SEE PAGE 46

QUADRUPLE WIDTH

Silverlink ROLLER CHAINS MANUFACTURERS' (A.S.A.) STANDARD SIZES



MADE IN SIZES—1," TO 21," PITCH FOR LIST PRICES AND DIMENSIONS, SEE PAGE 47

CHAIN PARTS AND REPAIR BLOCKS



Connecting Link (Tight Fit Link) Coupler Link (Slip Fit Link)

Both pins are riveted to one side bar. The other side bar is provided with a hole size to give a very tight fit on the chain pins on the Connecting Link and a slip fit on the Coupler Link. The Connecting Link is recommended for heavy loads and high speeds.

When assembling, the single side bar should be driven evenly into position.



Connecting Link (Tight Fit Link)
Coupler Link (Loose Fit Link)
For RC-35, RC-40, RC-41 and RC-50 Chains

Both pins are riveted to one side bar. The other side bar is provided with a hole size to give a very tight fit on the chain pins on the Connecting Link and a slip fit on the Coupler Link. The Connecting Link is recommended for heavy loads and high speeds.

When assembling, the single side bar should be driven evenly into position.



Riveted Type Connecting Link

The pins are riveted to one side bar. The other side bar is provided with press fit tolerance in the holes. This sidebar should be assembled and driven evenly into place. The ends of the rivets can then be peaned over.



Offset Link (Single Pitch)



Offset Link (2-Pitch)

Offset Links must be used whenever the chain length requires an odd number of pitches. However, try to avoid their use whenever possible. When it is necessary to use an odd number of pitches on power transmission drives always specify the double pitch offset. This insures the best possible assembled strength.



Roller Link (Inside Link)

19

REPAIR BLOCKS



The proper press fit of the pins in the side bars is necessary for the durability of the chain. It is important therefore, in disconnecting the chain, that the pins be driven out of the connecting link plate in a parallel direction, to avoid straining the parts out of true and injuring their usefulness.

A Repair Block should be used whenever it is necessary to disconnect pins from side bars. The Repair Block consists of a fork, suited to the pitch of the chain, and an anvil block of corresponding size, to hold the chain in a proper position for driving the pins out in a parallel direction.

The use of the block is a convenience and an economy.

The price is low. The following sizes are carried in stock.

					LIST	PRICES					
Number of Repair Block	Pitch	Link-Belt Chain Numbers	Fork Pattern Number	Block Pattern Number	List Price, per Set	Number of Repair Block	Pitch	Link-Belt Chain Numbers	Fork Pattern Number	Block Pattern Number	List Price, per Set
000 00	35	RC-85. RC-40, RC-41. RC-50, RC-52	8-40979-2 8-40979-1 8-11832-1	S-40979-3 S-40979-3 S-11832-2	\$1.00 1.10 1.20	1	114	RC-125, RC-126, RC-127 RC-100, RC-130, RC-131, RC-131D, RC-1318		X-1645-203 X-1645-204	\$2.00
1	1.	RC-60, RC-62, RC-78, RC-79	X-1645-101	X-1645-201	1 30	6 7	136:	RC-120, RC-154, RC-155 RC-140, RC-177	X-1645-106 X-1645-107	X-1645-205 X-1645-205	4.40 4.65 5.70
	i.	RC-101, RC-10134, RC-102 RC-80, RC-104, RC-105, RC-106, RC-107	X-1645-102 X-1645-103			,	234	RC-160 RC-200	X-1645-109 X-1645-109	X-1645-206 X-1645-207	8.40

HOW TO SELECT THE PROPER ROLLER CHAIN DRIVE

GENERAL PRINCIPLES . . .

The information in this section will enable you to select a drive for ordinary applications. For unusual applications, complete information should be submitted to our engineering department for the attention of men experienced in selecting and designing economical, efficient drives for all types of service.

Necessary Information Required

- HORSE POWER TO BE TRANSMITTED— Average and maximum horse power and percentage of time at maximum load.
- 3 TYPE OF DRIVEN UNIT
- 4. NATURE OF LOAD-Steady-impulsive-shock.
- SERVICE REQUIREMENTS—Stand-by, intermittent, or continuous. Hourly operation per day, week or year.
- R.P.M. OF DRIVER AND DRIVEN SHAFT— Must ratio be exact or approximate?
- VARIABLE SPEED—Indicate the minimum and maximum speed and the power to be absorbed at each speed.
- SHAFTS—Diameter of shafts, and keyway dimensions.
- SHAFT CENTERS—Fixed or adjustable. If adjustable, indicate the amount of adjustment available.
- AVAILABLE SPACE—If space is limited, indicate limitation maximum width and maximum diameter.
- SHAFT ELEVATION—State shaft elevations indicating which is driver. Also indicate direction of rotation.

- SURROUNDINGS—Are the surroundings wet, corrosive, or dusty?
- 13. CAN THE DRIVE BE ENCASED AND LUBRICATED?
- 14. IS DRIVE REPLACING ANOTHER? If so,

DRIVES OPERATING UNDER UNUSUAL CON-

- Drives operating under the following conditions are considered abnormal and should be selected with a larger service factor, see step four, page 22.
- 1. Heavy starting loads with frequent starts and stons.
- 2. When the type of lubrication on pages 40-41 cannot be provided.
- 3. Continuous 24-hour-per-day operation.
- Short or fixed centers. Or vertical drives with small wheel on bottom.
- 5. When the drive ratio exceeds 7 to 1.
- Where two or more shafts are to be driven in the same or opposite directions.
- When conditions necessitate the use of sprockets with minimum number of teeth in driving and driven sprockets.
- Drives operating machines having periodic load variations in a single revolution such as single acting pumps, compressors, etc., or drives which are subject to shaft reversals and inertia strains.

OF ROLLER CHAIN DRIVE SELECTION

6 STEPS TO TAKE IN SELECTING CHAIN DRIVES

STEP No. 1-Select a trial chain pitch from the following table:

R.P.M. of Smaller Sprocket	Trial Pitch
2200-3200	34"
1700-2200	3/2*
1400-1700	58*
1000-1400	3/4"
800-1000	11/2
500-800	114"
400-500	116"
340-400	132*
250-340	2**
Below 250	21.6*

For high speed drives do not use detachable type chain.

STEP No. 3—From the following table, check to see if your selection will accommodate the shaft. Follow down the leftand column until you come to the number of teeth you have tentatively selected, then follow that line across until you come to your trial chain pitch, as selected in Step 1. (If the dimension

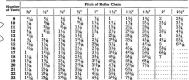
STEP No. 2-Select a trial number of teeth for the smalle sprocket from the following table:

R.P.M. of Smaller Sprocket	If used as a DriveR	If used as a DriveN
2200-3200	21	23
1700-2200	21	23 23
1400-1700	21	23
1000-1400	21	23 23
800-1000	21	23
500-800	21	23
400-500	21	23 23 23 23
340-400	21	23
250-340	21	23
		23

Sprockets with 19 to 27 teeth are especially dearsble for moderately high peed drives. Sprockets of fewer teeth will give satisfactory results on slow unning drives.

you find exceeds your shaft size, proceed with STEP 4.) If not, it will be necessary to use a sprocket with a larger number of teeth. Your selection will then be made by moving down the trial chain pitch column until you reach a dimension exceeding your shaft size, then moving across to the left-hand column for the advisable number of teeth in the smaller sprocket.

MAXIMUM BORES WITH STANDARD KEYSEAT WHEN USING MAXIMUM HUB DIAMETERS



BORE-STANDARD TOLERANCES FOR BORES

Unless otherwise specified, the tolerance limits will be observed as standard. Less than 11/4" bore, +.001" -.000"

11/4" up to 21/2" bore, +.002" -.000" 21/2" up to 41/2" bore, +.003" -.000" 41/2" up to 6" bore, +.004" -.000" 6" bore and over, +.005" -.000"

When closer tolerances are required, this information must be specifically stated; and an additional charge will be made for special tolerances.

MAXIMUM VALUE OF "S" (Center Line of Shaft to Top of Keyseat)

Number				P	itch of Ro	ller Chain				
Number of Teeth	36"	34"	36"	34"	1"	1.32"	134"	1 34"	2"	234"
9	154	1/4	56	114	17.4	5,6	196	1146	11/4	156
10	320	236	182	317	11%	12	134	182	192	266
ii l	86	156	87Z.	11.6	1,6	1 1 "	125%	1402	136	234
12	112	9/4	112	27.2	152	154	1212	1412	212	218.
13	16	21%	18.7	312	1172.	1112	1814	2172	2312	316
14	115/4	422	50%	13/	1297	1497	21/	217.6	225/	3117
15	120	212	1124	112	142	2 784	212	2552	31/2	434
16	194	22%	112	1237.	17/4	27.6	232	316	39.6	1.72
17	52ª	617.	115%	115%	212	277	3	315%	372	
18	20%	1524	1312	1196	211	252	21/	23/2	412	
19	232	120	17784	1 227	2.364	628	374	373	474	
20	77.59	1722	1239	1779	21/2	228	373	4:42		
	232	124.	1798	111/2	2 164	3999	3%	47%		
21	222	12564	12392	10964	221/6	39%	301/2			
22	31/2	13%	1%	254	2364	3/2	41/2			
23	11/2	11/2	127/2	215/4	25%	354	415%			

21

LINK-BELT

ENGINEERING DATA THE FOR

STEP No. 4-Turn to the horse power rating tables, pages 30-39, and locate in the left-hand column of the table covering the selected trial chain nitch the selected number of teeth in the smaller, faster-running sprocket, and then move across to the proper RPM column. That figure represents the horse power rating of your drive selection, and is based on 10 hours per day service, uniform loads, and good lubrication. This rating can be adjusted to other periods of service and load characteristics by multiplying the known horse power to be transmitted by the factors given in the following table, bearing in mind that the rating obtained from the horse power table must equal the load times the factor.

SERVICE FACTORS

Type of Load	Period o	f Service
Type of Load	10-hour day	24-hour de
Uniform Load—Average conditions Moderate Shock—Abnormal	1.0	1.2
conditions	1.2	1.4
neavy onock—Aunormai		

conditions.... If the tabled horse power rating exceeds the load times the factor, then try the next smaller chain pitch. If it is smaller than the load times the factor, try the next higher chain pitch. This procedure should be continued until a chain of the proper horse power capacity is selected. For high speed drives it is frequently good design to select chains of relatively short pitch in multiple widths and sprockets of large number of teeth for maximum smoothness. durability and quiet operation.

STEP No. 5-It is next necessary to select the number of teeth in the larger sprocket. This is made simple by the following Speed Ratio Table. Knowing the number of teeth in the smaller sprocket and the desired speed ratio, merely find the column headed by the number of teeth in the smaller sprocket and move down that column until you come to the desired speed ratio. The numher appearing in the left, hand column apposite your desired speed ratio is the number of teeth recommended for the larger sprocket. Combinations listed inside the heavy line are for a given ratio,

and are preferable Cut Tooth Sprockets which are carried in stock are made with the numbers of teeth shown in this table, these having been selected in order to furnish almost any speed ratio likely to be required, and having sizes of hubs and bores to meet average needs, all as listed on pages 58-65. If these stock sprockets can be used you will have the advantage of quicker delivery from stocks conveniently located throughout the country. The made-to-order sprockets listed in this book will meet a much larger range of conditions and can be furnished on short notice. If something still different is required, we will endeavor to meet your special needs as economically and promptly as possible.

DRIVE BATIO IS B.P.M. OF DRIVER SPROCKET DIVIDED BY B.P.M. OF DRIVEN SPROCKET

216							Dv	iveR S	procket-	-Numb	er of T	eeth								
Sector.	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	30	32
9 10 11 12 13	1.00 1.11 1.22 1.33 1.44	1.00 1.10 1.20 1.30	1.00 1.09 1.18	1.00	1.00															
14 15 16 17 18	1.56 1.67 1.78 1.89 2.00	1.40 1.50 1.60 1.70 1.80	1.27 1.36 1.45 1.55 1.64	1.42	1.08 1.15 1.23 1.31 1.38	1.21	1 00 1 07 1 13 1 20	1.00 1.06 1.13	1.00 1.06	1.00										
19 20 21 22 23	2.11 2.22 2.33 2.44 2.56	1.90 2.00 2.10 2.20 2.30	1.73 1.82 1.91 2.00 2.09	1.58 1.67 1.75 1.83 1.92	1.46 1.54 1.62 1.69 1.77	1.43	1.27 1.33 1.40 1.47 1.53		1.12 1.18 1.24 1.29 1.35	1.05 1.11 1.17 1.22 1.28	1.00 1.05 1.11 1.16 1.21	1.00 1.06 1.10 1.15	1.00 1.06 1.10	1.00	1.00					
24 25 26 30 32	2.67 2.78 2.89 3.33 3.56		2.18 2.27 2.36 2.73 2.91	2.50	1.85 1.92 2.00 2.31 2.46	1.86	1.60 1.67 1.73 2.00 2.13	1.50 1.56 1.63 1.88 2.00	1.41 1.47 1.53 1.76 1.88	1.33 1.39 1.44 1.67 1.78	1.26 1.32 1.37 1.58 1.68	1.20 1.25 1.30 1.50 1.60	1.14 1.19 1.24 1.43 1.52	1.09 1.14 1.18 1.36 1.45	1.04 1.09 1.13 1.30 1.39	1.00 1.04 1,08 1.25 1.33	1.00 1.04 1.20 1.28	1.00 1.15 1.23	1.00	1.00
35 36 40 42 45	3.89 4.00 4.44 4.67 5.00	3.50 3.60 4.00 4.20 4.50	3.18 3.27 3.64 3.82 4.09	2.92 3.00 3.33 3.50 3.75		2.50 2.57 2.86 3.00 3.21			2.06 2.12 2.35 2.47 2.65	2.50	2.37	1.75 1.80 2.00 2.10 2.25	1.67 1.71 1.90 2.00 2.14	1.59 1.64 1.82 1.91 2.05	1.52 1.57 1.74 1.83 1.96	1.46 1.50 1.67 1.75 1.88	1.40 1.44 1.60 1.68 1.80	1.35 1.38 1.54 1.62 1.73	1.17 1.20 1.33 1.40 1.50	1.09 1.13 1.25 1.31 1.41
48 52 54 60 65	5.33 5.78 6.00 6.67 7.56	4.80 5.20 5.40 6.00 6.80	4.36 4.73 4.91 5.45 6.18	4.00 4.33 4.50 5.00 5.67	3.69 4.00 4.15 4.62 5.23	3.86	4.00	3 25	3.18	3.00	2.53 2.74 2.84 3.15 3.58	2 40 2 60 2 70 3 00 3 40	2.29 2.48 2.57 2.86 3.24	2.18 2.36 2.45 2.73 3.09	2.09 2.26 2.35 2.61 2.96		1.92 2.08 2.16 2.40 2.72	1.85 2.00 2.08 2.31 2.62	1.60 1.73 1.80 2.00 2.27	1.50 1.63 1.69 1.88 2.13
76 80 84 95	7.78	7.00 7.60 8.00	6.36 6.91 7.27 7.64	5.83 6.33 6.67 7.00 7.92	5.38 5.85 6.15 6.46 7.31	5.00 5.43 5.71 6.00 6.79	5.07	5.25 5.94	4.47 4.71 4.94 5.59	3.89 4.22 4.44 4.67 5.28	4.42 5.00	3.50 4.00 4.20 4.75	3.33 3.62 3.81 4.00 4.52	3.18 3.45 3.64 3.82 4.32	3.30 3.48 3.65 4.13	2.92 3.17 3.33 3.50 3.96	2 80 3 04 3 20 3 36 3 80	2.69 2.92 3.08 3.23 3.65	2.33 2.53 2.67 2.80 3.17	2.19 2.38 2.50 2.63 2.97
96 102 112 119			:::	8.00	7.38 7.85	6.86 7.29 8.00	6.40 6.80 7.47 7.93	6.00 6.38 7.00 7.44	5.65 6.00 6.59 7.00	5.33 5.67 6.22 6.61	5.06 5.37 5.89 6.26	4.80 5.10 5.60 5.96	4.57 4.86 5.33 5.67	4.36 4.64 5.09 5.41	4.17 4.43 4.87 5.17	4.00 4.25 4.67 4.96	3.84 4.08 4.48 4.76	3.69 3.92 4.31 4.58	3.20 3.40 3.73 3.97	3.00 3.19 3.50 3.72

Combinations isside of heavy line are for a given ratio and are perferable.

Check stock successful listing for size of chain required. All tooth combinations shown above are not available from stock for all chain sizes.

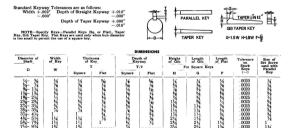
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SELECTION OF ROLLER CHAIN DRIVES

MAXIMUM HUB DIAMETERS OF STANDARD ROLLER CHAIN SPROCKETS

	1				Pitch o	f Chain				
	26"	16"	36"	34"	1"	134"	136*	134"	2.	236"
Number of Teeth					Number	of Chain		-		
	RC-35	RC-40	RC-50	RC-60	RC-80	RC-100	-RC-120	RC-140	RC-160	RC-20
6	14	34	.34	26	27/22	21/6	136	113/2	11%	234
7	23/64	33/64	13/6	94	11/2	13%	1%	2	21/4	31/4
8	11/4	4564	19/2	134	11/2	126	213/42	211/2	256	41/4
9	96	3/4	11/4	15%	196	21/4	23/8	3/2	3%	4%
10	26	1364	156	126	2%	25%	311/4	315/4	43/4	51%
11		136	11/2	194	232	33%	3%	41/2	496	63/8
12	1564	123	12992	234	296	319/2	4752	222	5%	77/4
13	138	11/2	176	296	31/8	31/4	424	51%	679	726
14 15	123	128	2364	211/2	31992	223	574	0.55	2/8	0024
16	178	21784	2117	21/2	372	275	3*512	078	179	9.73
17	1397	2117	2417	252	472	279	699	232	997	11172
18	102	2117	252	202	752	572	21/2	624	0116	11.78
19	1552	21/2	312	325/4	514	592	7196	872	101/2	1202
20	1812	211/	221/	4 72	532	612	836	912	1032	1212
21	284	284	3112	436	584	784	892	10	1132	1492
22	212	2654	3242	412	612	712	916	1011/2	1212	1512
23	216	3%	35%	432	616	794	91%	1136	1236	1555
24	2192	31%	41/4	5	6216	896	10	11216	1354	16214
25	23%	3194	496	536	6312	8254	10156	1234	1392	17134
26	2%	31%	432	515%	796	91/2	10%	1234	14196	1814
27	292	34%	423/62	513/2	719/2	91/2	111362	13%	151/6	1916
22 23 24 25 26 27 28 29	21964	31964	45964	5%	75%	949/2	117/8	1378	1527	1921
29	3364	4364	51/8	63%	81/4	10%	12%	1436	161/2	201/8
30	31/2	41564	5%	6136	8%	10%	1227/2	15	171/8	2136
31	31/2	42364	51/2	621/2	874	1134	1356	1517/2	17%	221/2
32	315/2	43564	513/2	619/2	9%	111/2	1325/22	163/2	1813/2	23

STANDARD KEYS (A.S.M.E.)



LINK-BELT

0030

ENGINEERING DATA . . . FOR THE

CALCULATING CHAIN CENTERS AND LENGTH OF CHAIN PEQUIPER

STEP No. 6—Now we must determine the distance between shaft centers and the exact length of chain required. Bear in mind that an even number of pitches is desirable.

The center distance for any drive must be more than half the sum of the diameters of the two sprockets in order that the teeth may clear.

For approximate chain centers, the chart on page 27 may be used, but to figure exact centers and determine exact chain length required, proceed as follows: Turn to pages 58-123 and locate the table covering the chain pitch selected, and moving down the left-hand column to the number of tecth in the selected sprockets you'll find the sprocket dimensions. Then take these steps:

- (a) Subtract the pitch diameter of the smaller sprocket from the pitch diameter of the larger sprocket.
- non the pien diameter of the larger sprocket.

- (c) Find in Column A in the following table the value next larger than this result, and using the corresponding values (in same line) from columns B, C, and D, solve the following equations:
- the following equations:

 B× Centers = Number of pitches between sprockets.
 - C×T₁ = Number of pitches on smaller sprocket. D×T₂ = Number of pitches on larger sprocket.
 - wherein $T_i = Number$ of teeth in smaller sprocket. $T_2 = Number$ of teeth in larger sprocket.

The sum of these three calculations is the number of pitches of chain required for the centre distance used. However, if this value works out to a fractional number of the calculating to obtain the proper center distance, except when the fractional number of pitches is just enough below the nearest whole number to take care of the desired coupling slack. So select the nearest whole submether to take care of the desired coupling slack. So select the nearest whole submether to take care of the desired coupling slack so select the nearest whole submether to take care of the desired coupling slack. So select the nearest whole submether to take care of the desired coupling slack so select the nearest whole submether than the subme

٨	В	C	D	^	В	С	D	٨	В	С	D	Α.	В	С	D
0000	2.0000	.5000	.5000	19937	1.9599	.4361	.5639 .5653	39073	1.8410	.3722	.6278	.56641	1.6483	.3083	.691
0436	2.0000	.4986	.5014	20364	1.9581	.4347	.5653	.39474	1.8376	.3708	.6292	.57000	1.6433	.3069	.693 .694 .695
0873	1.9999	.4972	.5028	.20791	1.9563	.4333	.5667	.39875	1.8341	.3694	. 6306	.57358	1.6383	.3055	.694
1309	1.9998	.4958	.5042	.21218	1.9545	.4319	.5667 .5681 .5694	.40275	1.8306	.3681	.6278 .6292 .6306 .6319 .6333 .6347 .6361 .6375 .6389	.57715	1.6333	.3042	. 6954
1745	1.9997	.4944	.5056	.21644	1.9526	.4306	.5694	.40674	1.8271	.3667	.6333	.58070	1.6282	.3028	697
2181	1.9995	.4931	.5069	.22070	1.9507	.4292	5708	.41072	1.8235	.3653	.6347	.58425	1.6231	.3014	.698
2618	1.9993	.4917	.5083	.22495	1.9487	.4278	.5722	.41469	1.8199	.3639	.6361	.58779	1.6180	.3000	.700
3054	1.9991	.4903	.5097	.22920	1.9468	.4264	.5736	.41866	1.8163	.3625	.6375	.59131	1.6129	.2986 .2972 .2958	.701
3490	1.9988	.4889	.5111	.23345	1.9447	.4250	.5750	42262	1.8126	.3611	.6389	.59482	1.6077	.2972	.702
3926	1.9985	.4875	.5125 .5139	.23769	1.9427	.4236	.5764	.42657	1.8089	.3597	.6403	.59832	1.6025	.2958	.704
4362	1.9981	.4861	.5139	.24192	1.9406	.4222	.5778	.43051	1.8052	.3583	.6417	.60182	1.5973	.2945	.705 .706 .708
4362 4798 5234 5669	1.9977	.4847	5153	.24615	1.9385	.4208	.5792 .5806 .5819	.43445	1.8014	.3583 .3569 .3556 .3542	.6417 .6431	.60529	1.5920	.2945 .2932 .2917 .2903	.706
5234	1.9972	.4833	.5167 .5181	25039	1.9363	.4194	.5806	43837	1.7976	.3556	.6444 .6458	.60876	1.5867	.2917	.708
15669	1.9968	.4819	.5181	.25460	1.9341	.4181	.5819	.44229	1.7937	.3542	.6458	.61222	1.5814	.2903	.709 .711 .712 .713
6105	1.9963	.4806	.5194	25882	1.9319	.4167	.5833	.44620	1.7899	.3528 .3514 .3500	.6472	.61566	1.5760	2889 2875 2861 2847 2833 2819 2805 2792 2778 2764 2750 2736 2722 2708 2680 2667	.711
6540	1.9957	.4792	5208 5222 5237 5250 5264 5278	.26303	1.9296	.4153	.5847	.45010	1.7860	.3514	.6486	.61909	1.5706	.2875	.712
6976	1.9951	.4778	.5222	.26724	1.9273	.4139	.5861	. 45399	1.7820	.3500	.6500	.62251	1.5652	.2861	. 713
7411	1.9945	.4763	.5237	.27144	1.9249	.4125	.5875 .5889 .5903 .5917	.45787	1.7780	.3486 .3472 .3458 .3445	.6514 .6528 .6542 .6555	.62592	1.5598	.2847	.715
7846	1.9938	.4750	.5250	.27564	1.9225	.4111	.5889	.46175	1.7740	.3472	.6528	.62932	1.5543	.2833	.716
8281 8716	1.9931	.4736	.5264	.27983	1.9201	.4097	.5903	.46561	1.7700	.3458	.6542	.63271	1.5488	.2819	.718
8716	1.9924	.4722	.5278	.28402	1.9176	.4083	.5917	.46947	1.7659	.3445	.6555	.63608	1.5432	.2805	715 716 718 719 720
9150	1.9916	.4708	.5292 .5306 .5319 .5333 .5347 .5361 .5375 .5389 .5403	.28820 .29237	1.9151	.4070	.5930 .5944 .5958	.47332	1.7618	.3431	.6569	.63944	1.5377	.2792	.720
9585	1.9908	.4694	.5306	.29237	1.9126	.4056	.5944	.47716	1.7576	.3417	.6583	.64279	1.5321	.2778	722 723 725 726 727 727 729
0019	1.9899	.4681	.5319	29654	1.9100	.4042	.5958	.48099	1.7535	.3403 .3389 .3375 .3361	.6583 .6597 .6611 .6625 .6639 .6653		1.5265	.2764	.723
0453 0887	1.9890	.4667	.5333	.30071	1.9074	.4028	.5972	.48481	1.7492	.3389	.6611	.64945	1.5208	.2750	. 725
0887	1.9881	.4653	.5347	.30486	1.9048	.4014	.5986	.48862	1.7450	.3375	.6625	.65276	1.5151	.2736	.726
1320 1754	1.9871	.4639	.5361	.30902	1.9021	.4000	.6000 .6014	.49242	1.7407	.3361	.6639	.65606	1.5094	.2722	.727
1754	1.9861	.4625	.5375	.31316	1.8994	.3986	.6014	.49622	1.7364	.3347	.6653	.65935	1.5037	.2708	.725
2187	1.9851	.4611	.5389	.31730	1.8966	.3972	.6028 .6042	.50000	1.7321	. 3333	.6667	.66262	1.4979	.2694	. 730
2620	1.9840	.4597	.5403	32144	1.8939	.3958	.6042	.50377	1 7277	.3320		.66588	1.4921	.2680	732
3053	1.9829	.4583	.5417	.32557	1.8910	.3944	.6056	.50754	1.7233	.3305	.6695	.66913	1.4863	.2667	. 733
3485 3917	1.9817	.4569	.5431	32969	1.8882	.3931	.6069 .6083	.51129	1.7188	3347 3333 3320 3305 3292 3278	.6708 .6722	.67237	1.4804	.2653	.734
3917	1.980	.4555	.5445	33381	1.8853	3917	.6083	.51504	1.7143	.3278	.6722	.67559	1.4746	.2653 .2639 .2625 .2611	734 736 737 738 738 741
4349 4781	1.9790	.4542	.5458 .5472	33792	1.8824	.3903	.6097	.51877 .52250 .52621 .52992	1.7098	.3264 .3250 .3236 .3222	.6736 .6750	67880	1.4686	.2025	. 131
5212	1.9767	.4528	.5486	34202	1.8794	3889	.6111	.52250	1.7053	.3250	.6750	68518	1.4627	.2611	. 738
5643	1.9754	4500	.5500	.35021	1.8764	3861	.6125 .6139	52021	1.6961	3230	.6764 .6778	68835	1.4567	.2603 .2583 .2569	743
6074	1.9740	.4486	.5514	35429	1.8703	3847	6153	53361	1.6915	3208	.0110	69151	1.4447	.2000	743
6505	1.9726	4472	.5514	.35837	1.8672	3833	6167	53730	1.6868	3208	.6792	69466	1.4387	.2009	744
6935	1.9711	.4458	.5528 .5542	.36244	1.8640	3819	6181	54097	1.6821	.3194	.6806 .6820	69779	1.4387	.2556 .2542 .2528	.744 .745 .747
7365	1.9696	.4444	.5556	36650	1.8608	.3806	6194	.54464	1.6773	2100	.0820		1.4265	2002	745
7794	1.9681	4430	.0530	37056	1.8576	3702	6200	54829		3153	.0834	.70091		.2528	740
7794	1.966	.4416	.5570	.37461	1.8576	.3792 .3778	.0208	.54829	1.6726	.3133	.0847	. 70401	1.4204	.2014	.741
8224 8652	1.9649	.4416	.5570 .5583 .5597	37865	1.8544	3764	.6208 .6222 .6236	.55194	1.6678	.3166 .3153 .3139 .3125	6834 6847 6861 6875	.70711	1.4142	.2500	.75
0002	1.9633	.4389	.5611	.38268	1.8478	3750	.6250	.55919	1.6581	3111	.6889				
9081	1.9633	.4389	.5625	38268	1.8478	3736	.6264		1.6532	.3097	.6903				

24 LINK-BELT

SELECTION OF ROLLER CHAIN DRIVES

IF THE NUMBER OF PITCHES SELECTED IS LESS THAN THE CALCULATED LENGTH:

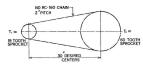
Subtract the number of pitches selected from the fractional number of pitches. The result is then multiplied by the pitch and to this is added the amount of coupling slack desired. Divide this sum by value B and subtract the result from the center distance used in the original calculations. (Refer to Example No. 1).

Use an even number of pitches where possible (see Offset Couplers, page 19).

IF THE NUMBER OF PITCHES SELECTED IS MORE THAN THE CALCULATED LENGTH:

Subtract the fractional number of pitches calculated from the number of pitches selected and multiply by the pitch. From this subtract the amount of coupling slack desired and divide by value B. Add the result to the center distance used in the original calculations. (Refer to Example No. 2).

EXAMPLE No. 1 WHEN CENTERS MUST BE DECREASED TO SUIT CHAIN LENGTH



T1 = 60 Tooth Sprocket, Pitch Diameter = 38.215 T. = 19 Tooth Sprocket, Pitch Diameter = 12.151 26 064

26.064 = .43440 2 + 30

Then from Table (on opposite page)

Value A = .43445 Value B, 1.8014 $\times \frac{30}{2} = 27.021$

Value C, .3569×19 = 6.781 Value D, .6431 × 60 = 38.586

Specify 72 pitches, assuming that 1/16" coupling slack

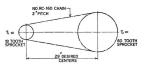
72.388 Pitches required for 30 " Centers.

is desired. Decrease center distance by: 72.388

72.000 .388×2 - .776' +.062" Slack for Coupling 929 .838" + 1.8014 = .465"

Then the correct center distance for this drive is: 30.000 -465 = 29.535 -Say 2916 .

EXAMPLE No. 2 WHEN CENTERS MUST BE INCREASED TO SUIT CHAIN LENGTH



T1=60 Tooth Sprocket, Pitch Diameter = 38.215 T1 = 19 Tooth Sprocket, Pitch Diameter = 12.151

26.064* = .44938 2 x 29

Then from Table (on opposite page)

Value A = 45010 Value B, $1.7860 \times \frac{29}{2} = 25.897$ Value C. .3514×19 = 6.677 Value D. .6486 × 60 = 38.916

71.490 Pitches required for 29° Centers.

Specify 72 pitches, assuming that 1/16" coupling slack is desired. Increase center distance by:

72,000 71.490 .510×2"-1.020" -.062 'Slack for Coupling 958" 958" + 1.7860 = .536".

Then the correct center distance for this drive is: 29.000 plus .536 = 29.536 -Say 291 2.

LINK-BELT

ENGINEERING DATA . . . FOR THE

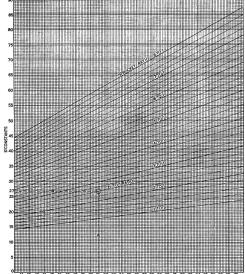
LENGTHS OF CHAIN THAT WILL COUPLE

umber of Links (or Pitches)	¾' Pitch	34" Pitch	% ' Pitch	¾' Pitch	1 ' Pitch	11/4 ' Pitch	11/2' Pitch	1%" Pitch	2' Pitch	234 Pitch
30 31 32 33 34	0'-11½" 0'-11½" 1'- 0" 1'- 0¾" 1'- 0¾"	1'- 3' 1'- 3'2' 1'- 4' 1'- 4'2' 1'- 5'	1'- 6¾" 1'- 7¾" 1'- 8¾" 1'- 8¾" 1'- 9¼"	1'-101/4" 1'-111/4" 2'- 0* 2'- 0*4" 2'- 11/2"	2'- 6" 2'- 7" 2'- 8" 2'- 9" 2'-10"	3'- 114' 3'- 234' 3'- 4' 3'- 514' 3'- 652'	3'-9' 3'-1014' 4'-0' 4'-114' 4'-3'	4'- 414' 4'- 614' 4'- 8' 4'- 934' 4'-1114'	5'- 0" 5'- 2" 5'- 4" 5'- 6" 5'- 8"	6'- 3' 6'- 5½' 6'- 8' 6'-10½'
35 36 37 38 39	1'- 1½' 1'- 1½' 1'- 1½' 1'- 2½' 1'- 2½'	1'- 5½' 1'- 6' 1'- 6½' 1'- 7' 1'- 7'	1'- 974' 1'-1032' 1'-1134' 1'-1134' 2'- 038'	2'- 2'4" 2'- 3" 2'- 3%" 2'- 4½" 2'- 5¼"	2'-11' 3'- 0' 3'- 1' 3'- 2' 3'- 3'	3'- 734' 3'- 9' 3'-1014' 3'-1114' 4'- 034'	4'- 41/2" 4'- 6" 4'- 71/2" 4'- 9" 4'-101/2"	5'- 11/4" 5'- 3" 5'- 4%" 5'- 61/2" 5'- 81/4"	5'-10" 6'- 0" 6'- 2" 6'- 4" 6'- 6"	7'- 3½° 7'- 6° 7'- 8½° 7'-11° 8'- 1½°
40 41 42 43 44	1'- 3' 1'- 386' 1'- 386' 1'- 416' 1'- 416'	1'- 8" 1'- 8½" 1'- 9" 1'- 9½" 1'-10"	2'- 1" 2'- 156" 2'- 214" 2'- 276" 2'- 312"	2'- 6" 2'- 634" 2'- 714" 2'- 814" 2'- 9"	3'- 4" 3'- 5" 3'- 6" 3'- 7" 3'- 8"	4'- 2" 4'- 3'4" 4'- 4'34" 4'- 5'34" 4'- 7"	5'- 0" 5'- 112" 5'- 3" 5'- 412" 5'- 6"	5'-10" 5'-1134" 6'- 114" 6'- 314" 6'- 5"	6'- 8" 6'-10" 7'- 0" 7'- 2" 7'- 4"	8'- 4" 8'- 61/2" 8'- 9" 8'-111/2"
45 46 47 48 49	1'- 476' 1'- 514' 1'- 556' 1'- 6' 1'- 636'	1'-101/2" 1'-11" 1'-111/2" 2'- 0" 2'- 01/2"	2'- 41/8' 2'- 43/4' 2'- 53/6' 2'- 6'/8'	2'- 9¾' 2'-10½' 2'-11¼' 3'- 0° 3'- 0¾'	3'-9" 3'-10" 3'-11" 4'-0" 4'-1"	4'- 8!4" 4'- 9!4" 4'-1034" 5'- 0" 5'- 1!4"	5'- 71/2" 5'- 9" 5'-101/2" 6'- 0" 6'- 11/2"	6'- 6¾* 6'- 8½* 6'-10¼* 7'- 0* 7'- 1¾*	7'- 6" 7'- 8" 7'-10" 8'- 0" 8'- 2"	9'- 41/2" 9'- 7" 9'- 91/2" 10'- 0" 10'- 21/2"
50 51 52 53 54	1'- 634' 1'- 718' 1'- 716' 1'- 736' 1'- 814'	2'- 1" 2'- 1½" 2'- 2" 2'- 2½" 2'- 3"	2'- 7¼' 2'- 7¼' 2'- 8¼' 2'- 9¼' 2'- 9¾'	3'- 114" 3'- 214" 3'- 3" 3'- 334" 3'- 412"	4'- 2" 4'- 3" 4'- 4" 4'- 5" 4'- 6"	5'- 214" 5'- 334" 5'- 5' 5'- 6!4" 5'- 7!4"	6'- 3' 6'- 412' 6'- 6' 6'- 712' 6'- 9'	7'- 3½" 7'- 5½" 7'- 7" 7'- 8¾" 7'-10½"	8'- 4" 8'- 6" 8'- 8" 8'-10" 9'- 0"	10'- 5" 10'- 71/2" 10'-10" 11'- 01/2"
55 56 57 58 59	1'- 8%" 1'- 9" 1'- 9%" 1'- 9%" 1'-10%"	2'- 3½' 2'- 4' 2'- 4½' 2'- 5' 2'- 5'	2'-10%' 2'-11' 2'-11%' 3'- 014' 3'- 034'	3'- 5¼" 3'- 6" 3'- 6¾" 3'- 7¼" 3'- 8¼"	4'- 7" 4'- 8' 4'- 9' 4'-10' 4'-11'	5'- 8%' 5'-10' 5'-11'4' 6'- 0'4' 6'- 1%'	6'-101/2" 7'- 0" 7'- 11/2" 7'- 3" 7'- 41/2"	8'- 0¼" 8'- 2" 8'- 3¾" 8'- 534" 8'- 7¼"	9'- 2" 9'- 4" 9'- 6" 9'- 8" 9'-10"	11'- 5½' 11'- 8' 11'-10½' 12'- 1' 12'- 3½'
60 61 62 63 64	1'-10!4' 1'-10!4' 1'-11!4' 1'-1156' 2'-0'	2'- 6* 2'- 6½* 2'- 7* 2'- 7½* 2'- 8*	3'- 114' 3'- 216' 3'- 234' 3'- 356' 3'- 4'	3'- 9" 3'- 934" 3'-1014" 3'-1114"	5'- 0' 5'- 1' 5'- 2' 5'- 3' 5'- 4'	6'- 3' 6'- 414' 6'- 514' 6'- 634'	7'- 6" 7'- 714" 7'- 9" 7'-1014" 8'- 0"	8'-9* 8'-1034* 9'- 034* 9'- 234* 9'- 4	10'- 0' 10'- 2' 10'- 4' 10'- 6' 10'- 8'	12'- 6' 12'- 812' 12'-11' 13'- 114'
65 66 67 68 69	2'- 0%; 2'- 0%; 2'- 1%; 2'- 1%; 2'- 1%;	2'- 8½" 2'- 9" 2'- 9½" 2'-10" 2'-10½"	3'- 45% 3'- 514 3'- 536 3'- 614 3'- 718	4'- 034' 4'- 114' 4'- 214' 4'- 3' 4'- 3'	5'- 5' 5'- 6' 5'- 7' 5'- 8' 5'- 9'	6'- 9¼' 6'-10½' 6'-11¾' 7'- 1' 7'- 2¼'	8'- 11'2" 8'- 3" 8'- 41'2" 8'- 6" 8'- 71'2"	9'- 534' 9'- 712' 9'- 914' 9'-11' 10'- 034'	10'-10' 11'- 0' 11'- 2' 11'- 4' 11'- 6'	13'- 61/2' 13'- 9' 13'-111/2' 14'- 2' 14'- 41/2'
70 71 72 73 74	2'- 214' 2'- 256' 2'- 3' 2'- 356' 2'- 356'	2'-11' 2'-111'2' 3'-0' 3'-0'4' 3'-1'	3'- 744' 3'- 834' 3'- 9' 3'- 956' 3'-1014'	4'- 414' 4'- 514' 4'- 6' 4'- 634' 4'- 714'	5'-10" 5'-11" 6'- 0" 6'- 1" 6'- 2"	7'- 3½" 7'- 4¾" 7'- 6" 7'- 7¼" 7'- 8½"	8'-9' 8'-1012' 9'-0' 9'-112' 9'-3'	10'- 21/4" 10'- 41/4" 10'- 6" 10'- 73/4" 10'- 91/4"	11'- 8" 11'-10" 12'- 0" 12'- 2" 12'- 4"	14'- 7" 14'- 91/2" 15'- 0" 15'- 21/2"
75 76 77 78 79	2'- 416' 2'- 416' 2'- 476' 2'- 514' 2'- 556'	3'- 114" 3'- 214" 3'- 214" 3'- 3" 3'- 314"	3'-1076' 3'-1114' 4'- 034' 4'- 034' 4'- 136'	4'- 8]4' 4'- 9' 4'- 934' 4'-10]4' 4'-11]4'	6'- 3" 6'- 4" 6'- 5" 6'- 6" 6'- 7"	7'- 914' 7'-11' 8'- 014' 8'- 114' 8'- 234'	9'- 41/2" 9'- 6' 9'- 71/2" 9'- 9' 9'-101/2"	10'-11'4' 11'- 1' 11'- 234' 11'- 434' 11'- 634'	12'- 6" 12'- 8" 12'-10" 13'- 0" 13'- 2"	15'- 71'2' 15'-10' 16'- 01'2' 16'- 3' 16'- 51'2'
80 81 82 83 84	2'- 6" 2'- 634" 2'- 634" 2'- 714" 2'- 734"	3'- 4" 3'- 414" 3'- 5" 3'- 514" 3'- 6"	4'- 2" 4'- 256" 4'- 314" 4'- 376" 4'- 432"	5'- 0" 5'- 034" 5'- 134" 5'- 234" 5'- 3"	6'- 8' 6'- 9' 6'-10' 6'-11' 7'- 0'	8'- 4' 8'- 514' 8'- 612' 8'- 734' 8'- 9'	10'- 0' 10'- 11'2' 10'- 3' 10'- 41'2' 10'- 6'	11'- 8' 11'- 934' 11'-1114' 12'- 114' 12'- 3'	13'- 4" 13'- 6" 13'- 8" 13'-10" 14'- 0"	16'- 8' 16'-10½' 17'- 1' 17'- 3½' 17'- 6'
85 86 87 88 89	2'- 778' 2'- 814' 2'- 856' 2'- 9' 2'- 9'	3'- 614" 3'- 7" 3'- 714" 3'- 8" 3'- 814"	4'- 514' 4'- 534' 4'- 634' 4'- 7' 4'- 754' 4'- 814'	5'- 334' 5'- 432' 5'- 514' 5'- 6' 5'- 634'	7'- 1' 7'- 2' 7'- 3' 7'- 4' 7'- 5' 7'- 6'	8'-1014' 8'-1114' 9'- 034' 9'- 2' 9'- 314' 9'- 414'	10'- 7½' 10'- 9' 10'-10½' 11'- 0' 11'- 1½'	12'- 434' 12'- 614' 12'- 814' 12'-10' 12'-1134' 13'- 114'	14'- 2' 14'- 4' 14'- 6' 14'- 8' 14'-10' 15'- 0'	17'- 814' 17'-11' 18'- 114' 18'- 4' 18'- 614'

SELECTION OF ROLLER CHAIN DRIVES

DESIRABLE CHAIN CENTERS

These are approximate only. Figure chain length and exact centers by referring to pages 24 and 25. Example: A Orive Rato 2/5 to 1 with 21 teet his mailer sprocket. Locate number of teeth in small sprocket at boots of chart. Follow like upward until it interacts with ratio of drive. Then follow horizontal line to figure at left hand side of chart. A drive ratio if the chain of 2/5 pitch, 272/4 "and/3/5 enterior coil in the chair give a contents of 27.1 five chain pitch is 1", 273.1 = 2" centers.



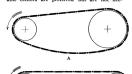
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 36 NUMBER OF TEETH IN SMALLER SPROCKET = T

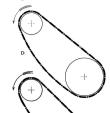
"These constants multiplied by pitch will use the property of the property of

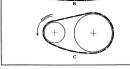
ROLLER CHAIN DRIVES—POSITION OF SPROCKETS

- PREFERRED ARRANGEMENTS ----

These arrangements are desirable. Adjustable centers are preferred but are not necessary unless the drive operation is inclined to be unsteady.



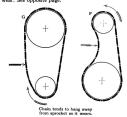


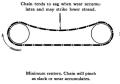


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-ARRANGEMENTS WHICH CAN BE USED, BUT NOT GENERALLY RECOMMENDED-

These arrangements will require more attention if maximum life is expected and should have some convenient means for adjusting centers to take up wear. See opposite page.





CHAIN ADJUSTERS—AUTOMATIC AND MANUAL TYPES

On the usual industrial roller chain drive, shaft centers are not faced and the derived chain tension may be obtained by moving one shaft. However, many drives can be operated without adjustment features when the centers approach that of a horizontal position and where there are smooth characteristics of drive operation. When centers approach that of a vertical is in advantaged to the control of the control

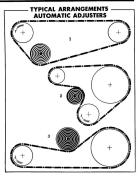
AUTOMATIC ADJUSTERS

The Automatic Adjustment is common on bus and truck engine front end drives and popular for drives on other types engine front end drives and popular for drives on other types of equipment. Uniform chain tension is maintained through the action of a flat coil spring tending to rotate an accentric bushing about a fixed stub-blaff. The roller chain sprocket is mounted upon this occurric bushing. Stub shaft is arranged for installation in a suitable bracket and drilled for pressure lubrication, if desired.

MANUAL ADJUSTERS

Manual Adjusters are available in many forms to suit conditions. See typical arrangements below.

Recommendations and suggestions for the correct application of Chain Adjusters is a regular Link-Belt service.



LINK-BELT 2

HORSE POWER RATINGS FOR

FOR MULTIPLE WIDTH CHAINS, SIMPLY MULTIPLY THESE RATINGS BY THE NUMBER OF WIDTHS USED (Ratings Are Based on Uniform Loads and Good Lubrication, Using a Service Factor of 1.0. For other Service Factors, see Page 22.) 3/4" DITCH-NO DC-35 SINGLE WINTH

			/8	ICH-P	VO. KC	-35 31	NGLE	WIDIU			
Number				RE	VOLUTIONS	PER MINU	TE-SMALL	SPROCKET			
of Teeth in Small	Pitch Diam., Inches	50	100	200	400	600	800	1000	1160	1200	1400
Sprocket	Anches					TYPE 1 LU	BRICATION				
11 12	1.331	.087	.165	.303	.539	.740	.890 1.01	1.03	1.12	1.15	1.23
13	1.567	.105	.198	.369	.663	.920	1.13	1.31	1.45	1:48	1.61
14 15	1.685	.113	.215	. 401	. 720	1.00	1.23 1.35	1.46 1.59	1.61	1.64	1.79
16	1.804 1.922	.130	.232	.432	.780	1.17	1.46	1.71	1.89	1.93	2.13
17 18	2.041 2.159	.139	.264	.494	.900 .960	1.25	1.56 1.65	1.83 1.95	2.03	2.08 2.21	2.29 2.45
19	2.159	.156	.280	.556	1.01	1.41	1.76	2.07	2.30	2.36	2.61
20 21	2.397 2.516	.164	.312	.585 .614	1.07	1.49	1.86	2.18 2.30	2.43 2.54	2.49 2.61	2.74
22	2.635	.179	.343	.644	1.17	1.64	2.05	2.40	2.66	2.73	3.03
23 24	2.754	.188	.359	.673 .701	1.23	1.71	2.14	2.51 2.63	2.79	2.85 2.98	3.16 3.29
25	2.873	.204	.375	.730	1.33	1.86	2.31	2.72	3.03	3.09	3.42
30	3.588	.245	.465 .540	.870 1.01	1.58	2.19 2.52	2.74	3.22 3.67	3.56 4.05	3.64 4.13	4.03
35 40	4.183 4.780	.322	.613	1.14	2.05	2.83	3.50	4.08	4.48	4.13	5.02
45	5.376	.361	.684	1.27	2.27	3.12	3.84	4.46	4.89	5.00	5.45
50 55	5.972 6.569	.399	.754 .820	1.40 1.52	2.48 2.69	3.40	4.17	4.80 5.15	5.27 5.61	5.36 5.69	5.83 6.15
60	7.165	.474	.890	1.64	2.89	3.91	4.76	5.45	5.91	6.00	6.46
			TYPE 1			TYPE 2				PE 3	
	1	1	LUBRICATIO	N		LUBRICATIO	N		LUBRIG	ATION	

3/6" PITCH—NO. RC-35 SINGLE WIDTH—CONTINUED

Number					REVOLUTION	ONS PER /	MINUTE-9	MALL SPE	OCKET			
of Teeth	Pitch Diam., Inches	1600	1750	1800	2000	2200	2400	2800	3000	3200	3450	3600
Sprocket						TYPE	2 LUBRICA	TION				
11 12 13	1.331 1.449 1.567	1.31 1.53 1.73	1.34 1.58 1.80	1.37 1.60 1.83	1.40 1.66 1.91	1.41 1.69 1.96	1.42 1.72 2.02	1.38 1.73 2.07	1.73	2.04		
14 15 16	1.685 1.804 1.922	1.93 2.12 2.30	2.02 2.22 2.41	2.05 2.25 2.46	2.15 2.37 2.58	2.23 2.46 2.70	2.29 2.54 2.79	2.34 2.65 2.92	2.40 2.68 2.95	2.39 2.70 2.98	2.37 2.70 3.02	2.69 3.00
17 18 19	2.041 2.159 2.278	2.48 2.65 2.82	2.60 2.78 2.97	2.65 2.84 3.01	2.79 2.98 3.19	2.92 3.12 3.34	3.03 3.24 3.47	3.20 3.43 3.66	3.23 3.49 3.74	3.27 3.52 3.80	3.31 3.56 3.83	3.30 3.57 3.83
20 21 22	2.397 2.516 2.635	2.97 3.14 3.29	3.14 3.29 3.46	3.19 3.35 3.51	3.37 3.53 3.73	3.51 3.71 3.89	3.86 4.04	3.87 4.08 4.28	3.94 4.16 4.35	4.01 4.22 4.43	4.06 4.28 4.46	4.07 4.28 4.47
23 24 25	2.754 2.873 2.992	3.42 3.57 3.71	3.59 3.76 3.89	3.67 3.82 3.97	3.89 4.04 4.19	4.06 4.23 4.39	4.22 4.38 4.54	4.45 4.65 4.82	4.56 4.73 4.91	4.60 4.81 4.98	4.67 4.86 5.05	4.68 4.86 5.06
30 35 40	3.588 4.183 4.780	4.33 4.90 5.39	4.57 5.13 5.63	4.64 5.21 5.70	4.90 5.47 5.96	5.09 5.69 6.11	5.28 5.87 6.32	5.55 6.10 6.51	5.64 6.17 6.55	5.70 6.19	5.72 6.20	5.73
45 50 55	5.376 5.972 6.569	5.82 6.18 6.47	6.05 6.38 6.73	6.12 6.48 6.78	6.37 6.71 6.96	6.56 6.84 7.06	6.68 6.94	6.78				
60	7.165	6.78	6.97	7.01	7.14							
						TYPE	3 LUBRIC	ATION				

LUBRICATION: Type I—Bath or Spiesh, Oil Cup or Brush
Type 2—Bath or Rapid Drip
Type 3—Disc or Rapid Drip
Type 3—Disc or Circulating Pump (for drives in this section, consult our Engineering Department).
For Lubrication and Casing Data, see Pages 40-43.

SINGLE WIDTH Silverlink ROLLER CHAINS

FOR MULTIPLE WIDTH CHAINS, SIMPLY MULTIPLY THESE RATINGS BY THE NUMBER OF WIDTHS USED (Ratings Are Based on Uniform Loads and Good Lubrication, Using a Service Factor of 1.0. For other Service Factors, see Page 22.) 1/2" PITCH-NO. RC-40 SINGLE WIDTH

Number		I	REVOLUTIONS PER MINUTE—SMALL SPROCKET											
of Teeth	Pitch Diam., Inches	50	100	200	300	400	500	600	700	800	870	1000		
Sprocket	Inches					TYPE	1 LUBRICA	ATION						
11	1.775	. 202	.379	.687	.958	1 19	1.41	1.59	1.75	1.89	1.99	2.14		
12	1.932	. 223	.419	.766	1.07	1.34	1.58	1.81	2.00	2.16	2.29	2.46		
13	2.089	. 243	.458	.842	1.18	1.48	1.76	2.00	2.24	2.44	2.57	2.79		
14	2.247	. 263	.497	.914	1.28	1.63	1.93	2.20	2.46	2.67	2.84	3.09		
15	2.405	. 283	.535	.989	1.39	1.76	2.09	2.40	2.67	2.93	3.11	3.38		
16	2.563	. 303	.572	1.06	1.49	1.89	2.25	2.59	2.89	3.17	3.36	3.67		
17	2.721	.322	.611	1.13	1.59	2.02	2.41	2.77	3.10	3.41	3.60	3.95		
18	2.879	.342	.648	1.20	1.70	2.15	2.57	2.94	3.31	3.63	3.84	4.21		
19	3.038	.361	.687	1.27	1.80	2.28	2.72	3.14	3.51	3.86	4.09	4.49		
20	3.196	.380	.720	1.34	1.90	2.40	2.87	3.29	3.70	4.07	4.31	4.72		
21	3.355	.399	.758	1.41	1.99	2.52	3.01	3.47	3.88	4.27	4.53	4.97		
22	3.513	.419	.794	1.48	2.08	2.64	3.15	3.63	4.07	4.48	4.75	5.20		
23	3.672	.437	.829	1.54	2.18	2.76	3.30	3.79	4.26	4.68	4.95	5.42		
24	3.831	.456	.866	1.60	2.27	2.88	3.44	3.96	4.43	4.87	5.15	5.67		
25	3.989	.475	.902	1.67	2.36	3.00	3.58	4.11	4.60	5.07	5.36	5.90		
30	4.783	.568	1.076	1.99	2.81	3.56	4.24	4.86	5.44	5.95	6.32	6.93		
35	5.578	.657	1.247	2.30	3.24	4.09	4.86	5.56	6.21	6.81	7.19	7.86		
40	6.373	.748	1.413	2.60	3.65	4.59	5.44	6.22	6.92	7.57	7.98	8.67		
45	7.168	.838	1.577	2.89	4.04	5.07	5.99	6.80	7.58	8.27	8.70	9.43		
50	7.963	.926	1.74	3.17	4.42	5.53	6.52	7.40	8.21	8.92	9.37	10.10		
55	8.758	1.012	1.89	3.44	4.79	5.96	7.02	7.93	8.77	9.49	9.96	10.70		
60	9.554	1.095	2.05	3.71	5.14	6.39	7.49	8 45	9.30	10.04	10.49	11.22		
			TYPE 1	N			PE 2 CATION				PE 3			

1/2" PITCH-NO. RC-40 SINGLE WIDTH-CONTINUED

Number of Teeth in Small Sprocket	Pitch Diam., Inches	REVOLUTIONS PER MINUTE—SMALL SPROCKET											
		1160	1200	1400	1600	1750	1800	2000	2200	2400			
		TYPE 2 LUBRICATION											
11 12 13	1.775 1.932 2.089	2.29 2.67 3.03	2.32 2.71 3.08	2.44 2.88 3.31	2.51 2.99 3.48	2.52 3.03 3.56	2 53 3.07 3.59	2.51 3.10 3.66	3.08 3.68				
14 15 16	2.247 2.405 2.563	3.37 3.70 4.01	3.44 3.77 4.09	3.70 4.08 4.44	3.91 4.32 4.73	4.03 4.48 4.89	4.10 4.52 4.96	4.18 4.67 5.13	4.25 4.75 5.24	4.26 4.81 5.32			
17 18 19	2.721 2.879 3.038	4.32 4.62 4.92	4.41 4.71 5.02	4.80 5.13 5.48	5.10 5.48 5.85	5.31 5.70 6.10	5.38 5.76 6.17	5.57 5.97 6.41	5.72 6.15 6.61	5.81 6.27 6.75			
20 21 22	3.196 3.355 3.513	5.19 5.45 5.72	5.29 5.57 5.83	5.76 6.07 6.37	6.17 6.50 6.81	6.42 6.76 7.09	6.50 6.86 7.18	6.77 7.13 7.48	6.98 7.35 7.71	7.11 7.50 7.87			
23 24 25	3.672 3.831 3.989	5.96 6.22 6.47	6.09 6.35 6.60	6.64 6.92 7.19	7.11 7.40 7.73	7.36 7.71 8.01	7.49 7.80 8.10	7.80 8.12 8.42	8.04 8.37 8.67	8 20 8 51 8 85			
30 35 40	4.783 5.578 6.373	7.58 8.56 9.41	7.76 8.71 9.60	8.40 9.42 10.31	8.90 9.99 10.86	9.28 10.31 11.16	9.38 10.43 11.23	9.72 10.72 11.49	9 95 10 93 11 61	10.14 11.00			
45 50 55	7.168 7.963 8.758	10.18 10.85 11.43	10.32 11.01 11.55	11.05 11.67 12.18	11.56 12.10 12.52	11.82 12.30 12.61	11.88 12.33	12.03					
60	9.554	11.81	12.02	12.57									
		TYPE 3 LUBRICATION											

LUBRICATION: Type: —Bath or Splash, Oil Cup or Brush
Type: 2—Bath or Rapid Drip
Type: 3—Disc or Circulating Pump (for drives in this section, consult our Engineering Department).
For Lubrication and Casing Data, see Pages 40-43.

HORSE POWER RATINGS

FOR MULTIPLE WIDTH CHAINS, SIMPLY MULTIPLY THESE RATINGS BY THE NUMBER OF WIDTHS USED (Ratings Are Based on Uniform Loads and Good Lubrication, Using a Service Factor of 1.0. For other Service Factors, see Page 22.)

5/a" PITCH—NO. RC-50 SINGLE WIDTH

	-/8			O. KC	-30 3	HAGEE	WIDI				
	REVOLUTIONS PER MINUTE—SMALL SPROCKET										
Diam	50	100	200	300	400	500	600	700	800	870	
	TYPE 1 LUBRICATION										
2.219	.385	.719	1.29	1.78	2.19	2.56	2.85	3.12	3.33	3.48	
2.612	.428	.873	1.59	2.20	2.48	3.23	3.26	4.03	4.36	4.02	
2.809	.506	.948	1.73	2.41	3.01	3.55	4.02	4.45	4.84	5 08 5.57	
3.204	.582	1.02	2.00	2.61	3.52	4.16	4.39	4.88 5.26	5.73	6.04	
3.401	.620	1.16	2.14	2.99	3.77	4.46	5.09	5.66	6.17	6.49 6.94	
3.797	.696	1.31	2.41	3.19	4.01	5.05	5.76	6.42	7.00	7.38	
3.995	. 732	1.38	2.54	3.56	4.48	5.22	6.07	6.75	7.38	7.79 8.20	
4.194	.806	1.52	2.79	3.75	4.70	5.86	6.69	7.10	8.14	8.20	
4.590	.842	1.58	2.91	4.09	5.16	6.12	6.98	7.78	8.50	8.96 9.35	
4.987	.914	1.72	3.17	4.45	5.59	6.62	7.58	8.42	9.20	9.35	
5.979	1.092	2.06	3.77	5.28	6.63	7.84	8.93	9.92	10.82	11.39	
7.966	1.44	2.70	4.35	6.82	8.51	10.00	11.33	12.51	13.57	12.90	
8.960	1.61	3.01	5.44	7.54	9.37	10.98	12.40	13.65	14.74	15.41	
9.954 10.948	1.78	3.31	6.47	8.22	10.18	11.90	13.39	14.68 15.60	15.78 16.72	16.45 17.37	
11.942	1.96	3.90	6.96	9.51	11.71	13.57	15.15	16.45	17.54	18.17	
				TYPE 2		TYPE 3 LURRICATION					
	2, 2415 2, 215 2, 215 2, 215 2, 215 2, 215 2, 2006 3, 2001 3, 2001 3, 2907 3, 2907 4, 1942 4, 1987 4, 1987 4, 1987 4, 1987 6, 1972 7, 1966 8, 1960 9, 1958 8, 1960 9, 1958	Pitch 50 10 10 10 10 10 10 10 10 10 10 10 10 10	Phich 50 100 100 100 100 100 100 100 100 100	Pitch	Pich 100 200	Pich		Pich	Pich		

5/8" PITCH-NO. RC-50 SINGLE WIDTH-CONTINUED

Number	Pitch	REVOLUTIONS PER MINUTE—SMALL SPROCKET										
of Teeth	Diam.,	900	1000	1100	1160	1200	1300	1400	1600	1750	1800	2000
Sprocket		TYPE 2 LUBRICATION										
11 12 13	2.219 2.415 2.612	3.53 4.10 4.66	3.68 4.31 4.91	3.78 4.46 5.11	3.84 4.50 5.23	3.88 4.60 5.30	3.92 4.71 5.45	3.95 4.77 5.57	5.71			
14 15 16	2.809 3.006 3.204	5.17 5.68 6.16	5.48 6.02 6.55	5.73 6.31 6.87	5.87 6.48 7.06	5.96 6.57 7.19	6.16 6.81 7.44	6.31 7.00 7.67	6.53 7.29 8.02	6.62 7.43 8.20	7.46 8.24	
17 18 19	3.401 3.599 3.797	6.63 7.09 7.55	7.05 7.54 8.04	7.42 7.94 8.46	7.63 8.16 8.71	7.75 8.31 8.87	8.05 8.63 9.21	8.31 8.90 9.52	8.70 9.36 10.02	8.82 9.61 10.30	8.98 9.67 10.37	9.13 9.81 10.56
20 21 22	3.995 4.194 4.392	7.95 8.37 8.76	8.46 8.90 9.33	8.92 9.39 9.84	9.18 9.67 10.14	9.35 9.84 10.31	9.72 10.23 10.69	10.05 10.58 11.09	10.58 11.14 11.69	10.88 11.46 12.01	10.96 11.55 12.11	11.18 11.80 12.37
23 24 25	4.590 4.788 4.987	9.15 9.54 9.91	9.74 10.16 10.55	10.27 10.70 11.12	10.58 11.02 11.44	10.76 11.21 11.64	11.18 11.66 12.09	11.58 12.05 12.50	12.19 12.59 13.16	12.43 13.05 13.53	12.64 13.13 13.62	12.90 13.41 13.91
30 35 40	5.979 6.972 7.966	11.62 13.14 14.49	12.35 13.92 15.28	12.99 14.59 15.95	13.35 14.97 16.33	13.57 15.17 16.57	14.07 15.69 17.05	14.50 16.13 17.49	15.19 16.73 17.97	15.53 17.05	15.63 17.13	15.86
45 50 55	8.960 9.954 10.948	15.68 16.71 17.62	16.47 17.49 18.37	17.14 18.08 18.91	17.49 18.45 19.20	17.71 18.56 19.29	18.13 18.99	18.46				
60	11.942	18.41	19.10	19.56								
		TYPE 3 LUBRICATION										

FOR

LUBRICATION: Type 1—Bath or Splash, Oil Cup or Brush
Type 2—Bath or Rapid Drip
Type 3—Disc or Circulating Pump (for drives in this section, consult our Engineering Department).
For Lubrication and Casing Data, see Pages 40-43.

SINGLE WIDTH Silverlink ROLLER CHAINS

FOR MULTIPLE WIDTH CHAINS, SIMPLY MULTIPLY THESE RATINGS BY THE NUMBER OF WIDTHS USED (Ratings Are Based on Uniform Loads and Good Lubrication, Using a Service Factor of 1.0. For other Service Factors, see Page 22.) 3/4" PITCH-No. RC-60 SINGLE WIDTH

Number	Pitch				EVOLUTIO	NS PER MI	NUTE—SMA	LL SPROCK	ET				
of Teeth	Diam., Inches	50	100	150	200	300	400	500	575	600	700		
Sprocket	Inches					TYPE 1 LU	BRICATION						
11	2.662	.659	1.21	1.70	2.15	2.93	3.58	4.12	4.45	4.56	4.93		
12	2.898	.727	1.34	1.90	2.41	3.30	4.05	4.70	5.11	5.24	5.71		
13	3.134	.794	1.48	2.09	2.65	3.65	4.52	5.27	5.75	5.91	6.46		
14	3.371	.86	1.60	2.27	2.90	4.00	4.97	5.79	6.36	6.54	7.17		
15	3.607	.92	1.72	2.45	3.14	4.34	5.39	6.32	6.94	7.14	7.86		
16	3.844	.99	1.85	2.64	3.36	4.66	5.82	6.82	7.52	7.73	8.52		
17	4.082	1.05	1.97	2.82	3.59	4.98	6.22	7.32	8 05	8.29	9.14		
18	4.319	1.12	2.10	2.99	3.82	5.31	6.63	7.82	8 60	8.85	9.78		
19	4.557	1.18	2.23	3.17	4.05	5.62	7.03	8.29	9 15	9.42	10.41		
20	4.794	1.25	2.34	3.34	4.26	5.93	7.41	8.74	9.63	9.92	10.97		
21	5.032	1.31	2.46	3.51	4.49	6.24	7.80	9.19	10.14	10.43	11.55		
22	5.270	1.37	2.58	3.67	4.70	6.54	8 16	9.62	10.62	10.93	12.08		
23	5.508	1.44	2.69	3.83	4.90	6.83	8.53	10.06	11.09	11.42	12.62		
24	5.746	1.50	2.80	4.00	5.11	7.12	8.90	10.47	11.56	11.90	13.16		
25	5.984	1.56	2.92	4.17	5.32	7.41	9.27	10.89	12.01	12.37	13.67		
30	7.175	1.86	3.48	4.96	6.32	8.78	10.94	12.76	14.15	14.55	16.05		
35	8.367	2.16	4.03	5.73	7.29	10.06	12.52	14.67	16.09	16.54	18.17		
40	9.559	2.45	4.55	6.46	8.20	11.31	13.99	16.33	17.86	18.35	20.08		
45	10.752	2.73	5.07	7.18	9.10	12.48	15.38	17.86	19.48	19.99	21.78		
50	11.945	3.02	5.59	7.87	9.94	13.58	16.68	19.28	20.96	21.47	23.29		
55	13.137	3.29	6.07	8.54	10.77	14.65	17.88	20.59	22.30	22.82	24.55		
60	14.331	3.58	6.55	9.21	11.57	15.66	19.03	21.80	23.53	24.04	25.81		
			PE 1			PE 2 ICATION				PE 3 CATION			

3/4" PITCH-NO. RC-60 SINGLE WIDTH-CONTINUED

Number					REV	OLUTION	S PER MI	NUTE-S	MALL SPR	OCKET			
of Teeth	Pitch Diam., Inches	800	870	900	1000	1100	1160	1200	1300	1400	1500	1600	1750
Sprocket	Inches					т	YPE 2 LU	BRICATIO	N				
11 12 13	2.662 2.898 3.134	5.21 6.08 6.92	5.37 6.31 7.21	5.41 6.39 7.32	5.58 6.61 7.62	5.65 6.79 7.88	6.88 8.01	6.91 8.06					
14 15 16	3.371 3.607 3.844	7.72 8.48 9.21	8.05 8.87 9.65	8.18 9.01 9.80	8.58 9.48 10.34	8.90 9.85 10.77	9.07 10.07 11.02	9.17 10.18 11.16	9.35 10.43 11.46	10.63 11.70	11.87		
17 18 19	4.082 4.319 4.557	9.91 10.60 11.29	10.38 11.12 11.84	10.56 11.31 12.08	11.14 11.96 12.76	11.64 12.50 13.35	11.91 12.80 13.66	12.06 12.97 13.87	12.42 13.36 14.30	12.70 13.68 14.66	12.90 13.93 14.94	14.11 15.16	
20 21 22	4.794 5.032 5.270	11.91 12.52 13.13	12.50 13.15 13.78	12.74 13.40 14.04	13.46 14.14 14.84	14.08 14.83 15.55	14.43 15.19 15.92	14.64 15.42 16.15	15.10 15.90 16.67	15.48 16.30 17.10	15.78 16.64 17.44	16.00 16.88 17.70	17.94
23 24 25	5.508 5.746 5.984	13.71 14.28 14.84	14.39 14.99 15.57	14.67 15.27 15.86	15.49 16.14 16.76	16.22 16.89 17.53	16.61 17.31 17.96	16.87 17.56 18.21	17.38 18.11 18.79	17.83 18.57 19.24	18.19 18.92 19.62	18.45 19.18 19.89	18.70 19.45 20.15
30 35 40	7.175 8.367 9.559	17.38 19.61 21.57	18.20 20.49 22.47	18.54 20.80 22.84	19.53 21.88 23.86	20.38 22.73 24.64	20.83 23.19 25.06	21.11 23.40	21.70 23.99	22.16			
45 50 55	10.752 11.945 13.137	23.29 24.78 26.00	24.18 25.62 26.84	24.51 25.94 27.11	25.50 26.81	26.22							
60	14.331	27.13											
						т	YPE 3 LU	BRICATIO	N				

LUBRICATION: Type 1-Bath or Splash, Oil Cup or Brush

Type 2—Bath or Spissis, Oil cup or Brush

Type 2—Bath or Rapid Dath or Rapid Dath

Type 3—Disc or Circulating Pump (for drives in this section, consult our Engineering Department.)

For Lubrication and Casing Data, see Pages 40-43.

HORSE POWER RATINGS

FOR MULTIPLE WIDTH CHAINS, SIMPLY MULTIPLY THESE RATINGS BY THE NUMBER OF WIDTHS USED (Ratings Are Based on Uniform Loads and Good Lubrication, Using a Service Factor of 1.0. For other Service Factors, see Page 22.) 1" DITCH-NO PC-80 SINGLE WIDTH CHAIN

			PIIC	n-14	U. KC	-00 3	INGL	E AAIF	יוח כ	HAIR			
Number					REVO	LUTIONS	PER MIN	IUTE-SM	ALL SPRO	CKET			
of Teeth in Small	Pitch Diam., Inches	1	2	3	5	15	25	50	100	150	200	250	300
Sprocket						1	YPE 1 LU	BRICATIO	N				
11	3.549	.037	.073	.108	.178	.504	.81	1.51	2.75	3.83	4.77	5.61	6.36
12	3.864	.041	.080	.119	.194	.554	.89	1.67	3.06	4.27	5.36	6.33	7.19
13	4.179	.044	.087	.128	.211	.604	.97	1.83	3.36	4.72	5.93	7.03	8.02
14	4.494	.047	.094	.139	.228	.652	1.05	1.98	3.66	5.14	6.49	7.70	8.82
15	4.810	.051	.101	.150	.245	.700	1.13	2.14	3.95	5.57	7.03	8.36	9.59
16	5.126	.054	.107	.159	.262	.749	1.21	2.29	4.24	5.98	7.56	9.01	10.34
17	5.442	.058	.114	.170	.278	.797	1.29	2.44	4.52	6.39	8.08	9.64	11.08
18	5.759	.061	.121	.179	.295	.845	1.36	2.59	4.80	6.79	8.60	10.27	11.79
19	6.076	.065	.128	.190	.311	.893	1.44	2.74	5.09	7.20	9.12	10.90	12.53
20	6.393	.068	.134	.199	.327	.940	1.52	2.88	5.35	7.57	9.59	11.47	13.19
21	6.710	.071	.141	.209	.344	.987	1.59	3.03	5.62	7.96	10.10	12.06	13.86
22	7.027	.075	.148	.219	.360	1.03	1.67	3.17	5.90	8.34	10.57	12.64	14.52
23	7.344	.078	.154	.229	.377	1.08	1.75	3.32	6.16	8.72	11.05	13.19	15.18
24	7.661	.081	.161	.240	.393	1.12	1.82	3.46	6.42	9.09	11.52	13.76	15.82
25	7.979	.085	.167	.249	.409	1.17	1.90	3.60	6.68	9.45	11.98	14.31	16.45
30	9.567	.102	.201	.298	.490	1.40	2.27	4.30	7.96	11.24	14.23	16.96	19.46
35	11.156	.119	.233	.348	.570	1.63	2.63	4.98	9.19	12.96	16.35	19.44	22.26
40	12.746	.135	.267	.397	.650	1.85	2.99	5.65	10.39	14.59	18.36	21.78	24.88
45	14.336	.152	.300	.444	.729	2.08	3.35	6.30	11.56	16.17	20.29	23.99	27.34
50	15.926	.169	.332	.493	.808	2.30	3.70	6.95	12.68	17.69	22.12	26.09	29.64
55	17.517	.185	.365	.541	.886	2.52	4.05	7.58	13.78	19.15	23.88	28.08	31.80
60	19.107	.212	.398	. 589	.964	2.73	4.39	8.19	15.03	20.57	25.57	29.97	33.83
				т	YPE 1 LU	BRICATIO	N			,	YPE 2 LU	BRICATIO	N

1" PITCH-NO, RC-80 SINGLE WIDTH CHAIN-CONTINUED

Number						REVOLU	TIONS F	ER MINL	ITE-SM	ALL SPR	DCKET				
of Teeth	Pitch Diam., Inches	350	400	450	500	575	600	650	700	750	800	870	900	1000	1160
Sprocket	Inches	D	PE 1 LU	BRICATIO	N				TYI	E 2 LUE	BRICATIO	N			
11 12 13	3.549 3.864 4.179	7.02 7.97 8.93	7.60 8.66 9.75	8.11 9.28 10.50	8.56 9.83 11.17	9.11 10.54 12.05	9.27 10.74 12.30	9.54 11.12 12.78	9.75 11.43 13.21	11.68 13.57	13.88				
14 15 16	4.494 4.810 5.126	9.84 10.71 11.57	10.77 11.75 12.70	11.62 12.69 13.73	12.39 13.56 14.69	13.41 14.72 15.99	13.73 15.07 16.37	14.30 15.73 17.11	14.81 16.32 17.78	15.26 16.86 18.39	15.66 17.33 18.92	16.12 17.89 19.59	18.10 19.84		
17 18 19	5.442 5.759 6.076	12.40 13.21 14.04	13.62 14.52 15.44	14.76 15.73 16.74	15.79 16.86 17.94	17.20 18.38 19.58	17.64 18.85 20.08	18.45 19.73 21.02	19.18 20.53 21.89	19.86 21.27 22.69	20.47 21.92 23.41	21.21 22.75 24.31	21.49 23.07 24.66	22.29 23.96 25.65	
20 21 22	6.393 6.710 7.027	14.79 15.54 16.29	16.26 17.10 17.92	17.63 18.54 19.44	18.90 19.88 20.84	20.63 21.71 22.75	21.16 22.26 23.34	22.16 23.32 24.45	23.08 24.30 25.46	23.93 25.19 26.40	24.70 26.00 27.26	25.66 27.01 28.32	26.02 27.41 28.72	27.08 28.52 29.90	
23 24 25	7.344 7.661 7.979	17.01 17.74 18.44	18.72 19.51 20.28	20.29 21.16 21.98	21.76 22.67 23.57	23.75 24.75 25.72	24.37 25.39 26.38	25.53 26.59 27.62	26.59 27.69 28.76	27.55 28.71 29.80	28.44 29.62 30.75	29.55 30.78 31.93	29.98 31.21 32.39	31.20 32.48 33.68	32.58 33.90
30 35 40	9.567 11.156 12.746	21.78 24.85 27.70	23.91 27.24 30.28	25.88 29.41 32.62	27.70 31.40 34.73	30.15 34.06 37.51	30.89 34.86 38.35	31.90 36.36 39.88	33.57 37.70 41.23	34.72 38.90 42.28	35.76 39.96 43.46	37.04 41.21	37.53	38.84	
45 50 55	14.336 15.926 17.517	30.36 32.81 35.09	33.08 35.65 41.91	35.58 38.17 40.56	37.72 40.40 42.78	40.56 43.21 45.58	41.40 44.04 46.31	42.91 45.45	44.20						
60	19.107	37.22	44.41	42.74	44.89										4
							T	PE 3 LUI	BRICATIO	N					

LUBRICATION: Type 1-Bath or Splash, Oil Cup or Brush

FOR

LUBRICATION: 19pe 1—Bath or Spaid Drip
Type 2—Bath or Rapid Drip
Type 3—Disc or Circulating Pump (for drives in this section, consult our Engineering Department).
For Lubrication and Casing Data, see Pages 40-43.

SINGLE WIDTH Silverlink ROLLER CHAINS

FOR MULTIPLE WIDTH CHAINS, SIMPLY MULTIPLY THESE RATINGS BY THE NUMBER OF WIDTHS USED (Ratings Are Based on Uniform Loads and Good Lubrication, Using a Service Factor of 1.0. For other Service Factors, see Page 22.)

11/4" PITCH-NO. RC-100 SINGLE WIDTH CHAIN

Number						REVOL	UTIONS	PER MIN	UTE-SM	ALL SPR	OCKET				
of Teeth in Small	Pitch Diam.,	1	2	3	5	10	15	25	50	75	100	125	150	175	200
Sprocket	Inches						TY	PE 1 LUE	RICATIO	N					
11	4.437	.072	.143	.209	.346	.663	.971	1.56	2.88	4.08	5.19	6.18	7.10	7.97	8.78
12	4.830	.079	.156	.230	.375	.728	1.06	1.72	3.19	4.54	5.77	6.90	7.96	8.96	9.89
13	5.223	.086	.170	.250	.412	.792	1.16	1.87	3.52	4.98	6.35	7.61	8.82	9.93	10.9
14	5.617	.093	.182	.269	.443	.861	1.25	2.03	3.79	5.41	6.91	8.31	9.63	10.9	12.0
15	6.012	.100	.195	.291	.475	.919	1.35	2.19	4.10	5.85	7.48	8.99	10.5	11.8	13.1
16	6.407	.105	.209	.309	.508	.987	1.44	2.34	4.37	6.28	8.07	9.67	11.2	12.7	14.1
17	6.803	.111	. 223	.329	.539	1.05	1.53	2.49	4.67	6.68	8.56	10.3	12.0	13.6	15.1
18	7.198	.117	. 234	.348	.570	1.10	1.63	2.55	4.97	7.10	9.09	11.0	12.8	14.4	16.0
19	7.595	.125	. 248	.367	.604	1.17	1.72	2.79	5.24	7.52	9.64	11.6	13.6	15.3	17.0
20	7.991	.131	.262	.387	.635	1.24	1.81	2.94	5.52	7.91	10.1	12.3	14.3	16.1	17.9
21	8.387	.139	.273	.406	.668	1.29	1.90	3.08	5.80	8.23	10.7	12.9	15.0	16.9	18.9
22	8.783	.146	.287	.426	.697	1.36	1.99	3.22	6.07	8.69	11.2	13.5	15.7	17.8	19.8
23	9.180	.152	.299	.445	.730	1.42	2.08	3.38	6.36	9.09	11.7	14.2	16.4	18.6	20.6
24	9.577	.158	.312	.465	.764	1.49	2.17	3.52	6.62	9.49	12.2	14.7	17.1	19.4	21.5
25	9.973	.164	.326	.484	.793	1.54	2.26	3.66	6.90	9.88	12.7	15.3	17.8	20.1	22.4
30	11.958	.199	.390	.580	.94	1.84	2.71	4.38	8.22	11.8	15.1	18.2	21.1	23.9	26.5
35	13.945	.230	.453	.676	1.10	2.15	3.15	5.09	9.53	13.6	17.4	20.9	24.3	27.4	30.4
40	15.932	.264	.520	.770	1.26	2.44	3.58	5.77	10.8	15.4	19.6	23.6	27.3	30.8	34.0
45	17.920	.297	.582	.863	1.41	2.73	4.01	6.45	12.0	17.1	21.8	26.1	30.2	34.0	37.4
50	19.908	.329	.645	.957	1.56	3.03	4.43	7.22	13.2	18.8	23.8	28.6	33.0	37.0	40.7
55	21.896	.361	.707	1.049	1.71	3.32	4.85	7.78	14.4	20.4	25.9	30.9	35.6	39.7	43.8
60	23.884	.393	.771	1.143	1.86	3.61	5.26	8.44	15.6	22.0	27.8	33.2	38.1	42.6	46.8
					TYPE	LUBRIC	ATION					TYPE 2	LUBRICA	TION	

11/4" PITCH-NO. RC-100 SINGLE WIDTH CHAIN-CONTINUED

Number					REVO	LUTIONS	PER MIN	UTE-SM.	ALL SPRO	CKET			
of Teeth in Small	Pitch Diam., Inches	250	300	350	400	450	500	575	650	700	750	800	870
Sprocket	Inches	7	YPE 1 LU	BRICATIO	N			1	YPE 2 LU	BRICATIO	N		
11 12 13	4.437 4.830 5.223	10.2 11.6 12.9	11.4 13.0 14.6	12.5 14.3 16.2	13.6 15.6 17.6	14.2 16.5 18.6	14.7 17.2 19.6	18.1 20.8	21.8				
14 15 16	5.617 6.012 6.407	14.2 15.5 16.7	16.0 17.5 18.9	17.8 19.5 21.1	19.3 21.3 23.2	20.7 22.7 24.6	21.9 24.0 26.1	23.3 25.8 28.2	24.6 27.2 29.8	28.1 30.7			
17 18 19	6.803 7.198 7.595	17.8 19.0 20.2	20.3 21.6 23.0	22.7 24.1 25.6	25.0 26.6 28.3	26.4 28.3 30.2	28.2 30.2 32.2	30.3 32.5 34.7	32.2 34.5 36.8	33.2 35.7 38.1	34.3 36.8 39.3	40.0	
20 21 22	7.991 8.387 8.783	21.3 22.4 23.4	24.3 25.5 26.8	27.0 28.4 29.8	29.8 31.4 32.5	31.8 33.5 35.1	33.9 35.7 37.4	36.6 38.5 40.4	38.9 40.9 42.8	40.2 42.3 44.3	41.4 43.5 45.6	42.2 44.6 46.7	
23 24 25	9.180 9.577 9.973	24.5 25.5 26.5	28.0 29.2 30.3	31.1 32.4 33.8	34.0 35.4 36.8	36.6 38.1 39.6	39.0 40.5 42.2	42.2 43.8 45.5	44.7 46.5 47.4	46.2 48.1 50.0	47.7 49.5 51.4	48.8 50.6 52.6	50.0 52.0
30 35 40	11.958 13.945 15.932	31.3 35.8 40.1	35.7 40.8 44.3	39.7 44.2 50.0	43.2 49.0 54.2	46.6 52.5 57.8	49.3 55.6 61.0	53.1 59.5 65.0	55.3 62.7	58.0			
45 50 55	17.920 19.908 21.896	44.0 47.6 51.0	49.3 53.6 57.2	54.5 58.5 62.3	58.8 63.0 66.7	63.6 66.8 70.3	65.8						
60	23.884	54.2	60.5	67.6	70.1			ļ					
						1	TYPE 3 LU	BRICATIO	N				

LUBRICATION: Type: I—Bath or Splash, Oil Cup or Brush
Type: 2—Bath or Rapid Drip
Type: 3—Disc or Rapid Drip
Type: 3—Disc or Gredlating Pump (for drives in this section, consult our Engineering Department.)
For Lubrication and Casing Data, see pages 40-43.

HORSE POWER RATINGS FOR

FOR MULTIPLE WIDTH CHAINS, SIMPLY MULTIPLY THESE RATINGS BY THE NUMBER OF WIDTHS LISED (Ratings Are Based on Uniform Loads and Good Lubrication, Using a Service Factor of 1.0. For other Service Factors, see Page 22.)

11/2" PITCH-NO. RC-120 SINGLE WIDTH CHAIN

Number						REVOL	UTIONS	PER MIN	UTE-SM	ALL SPR	OCKET				A CONTRACTOR OF THE PARTY OF TH
of Teeth	Pitch Diam., Inches	1	2	3	5	10	15	25	50	75	100	125	150	175	200
Sprocket	Incires						TY	PE 1 LUE	RICATIO	N					
11	5.324	.125	.246	.361	.591	1.14	1.65	2.63	4.85	6.83	8.61	10.2	11.6	13.1	14.3
12	5.796	.135	.267	.395	.645	1.25	1.81	2.90	5.39	7.60	9.63	11.4	13.2	14.7	16.2
13	6.268	.149	.290	.429	.702	1.35	1.98	3.17	5.90	8.36	10.6	12.7	14.6	16.4	18.1
14	6.741	.159	.314	.462	.759	1.46	2.14	3.45	6.42	9.11	11.5	13.9	16.0	18.0	19.9
15	7.215	.172	.336	.500	.813	1.57	2.30	3.71	6.93	9.84	12.5	15.0	17.3	19.6	21.6
16	7.689	.182	.358	.530	.871	1.68	2.47	3.97	7.42	10.60	13.4	16.2	18.6	21.1	23.3
17	8.163	.192	.381	.563	.925	1.79	2.62	4.23	7.91	11.3	14.4	17.3	19.9	22.6	24.9
18	8.638	.203	.403	.597	.982	1.90	2.78	4.47	8.40	12.0	15.3	18.4	21.3	24.1	26.6
19	9.113	.214	.425	.631	1.03	2.01	2.94	4.74	8.90	12.7	16.2	19.5	22.6	25.5	28.2
20	9.589	.226	.447	.665	1.09	2.12	3.10	4.99	9.37	13.3	17.0	20.5	23.8	26.8	29.7
21	10.064	.240	.470	.699	1.14	2.23	3.25	5.24	9.85	14.0	17.9	21.6	24.9	28.2	31.2
22	10.540	.253	.493	.729	1.19	2.33	3.41	5.50	10.3	14.7	18.8	22.6	26.1	29.6	32.7
23	11.016	.263	.516	.766	1.25	2.43	3.56	5.74	10.8	15.4	19.6	23.6	27.3	30.8	34.2
24	11.492	.273	.538	.800	1.31	2.54	3.72	5.99	11.3	16.0	20.4	24.7	28.5	32.1	35.7
25	11.968	.284	.560	.830	1.36	2.64	3.87	6.26	11.7	16.7	21.3	25.6	29.7	33.5	37.1
30	14.350	.341	.671	.996	1.63	3.17	4.62	7.44	13.9	19.8	25.3	33.4	35.2	39.6	43.8
35	16.734	.395	.780	1.16	1.89	3.68	5.35	8.64	16.1	22.9	29.1	34.9	40.3	45.3	50.1
40	19.118	.452	.891	1.32	2.16	4.18	6.11	9.80	18.2	25.8	32.8	39.3	45.2	50.8	56.0
45	21.503	.510	1.00	1.48	2.42	4.68	6.84	10.9	20.3	28.7	36.4	43.3	49.9	55.9	61.5
50	23.889	.564	1.11	1.64	2.68	5.18	7.56	12.1	22.3	31.5	39.8	47.4	54.3	60.8	66.6
55	26.275	.621	1.21	1.80	2.94	5.67	8.26	13.2	24.3	34.2	43.1	51.2	58.6	65.4	71.5
60	28.661	.675	1.32	1.96	3.19	6.16	8.97	14.3	26.3	36.8	46.3	54.8	62.7	69.7	76.0
				T	PE 1 LUI	BRICATIO	N				TY	PE 2 LUE	RICATIO	N	

11/2" PITCH-NO. RC-120 SINGLE WIDTH CHAIN-CONTINUED

Number					REVOLU	TIONS PER	MINUTE-	-SMALL SI	ROCKET			
of Teeth in Small	Pitch Diam., Inches	225	250	275	300	350	400	450	500	550	575	600
Sprocket	Inches		TYPE 1 LUI	RICATION				TYPE	2 LUBRICA	TION		
11 12 13	5.324 5.796 6.268	15.4 17.5 19.5	16.5 18.7 21.0	17.4 19.9 22.4	18.2 21.0 23.6	19.7 22.8 25.8	24.3 27.7	29.2				
14 15 16	6.741 7.215 7.689	21.5 23.5 25.4	23.2 25.3 27.4	24.7 27.0 29.2	26.1 28.6 31.0	28.7 31.4 34.1	30.8 33.9 36.9	32.7 36.0 39.3	38.0 41.3			
17 18 19	8.163 8.638 9.113	27.2 28.9 30.8	29.3 31.3 33.2	31.3 33.4 35.5	33.2 35.4 37.6	36.6 39.2 41.6	39.7 42.4 45.2	42.4 45.3 48.4	44.6 47.9 51.1	46.8 49.9 53.5	54.7	
20 21 22	9.589 10.064 10.540	32.4 34.1 35.8	34.9 36.8 38.6	37.4 39.3 41.3	39.7 41.7 43.8	43.9 46.2 48.5	47.6 50.0 52.4	50.8 53.6 56.3	53.9 56.7 59.6	56.3 59.4 62.4	57.6 60.6 63.6	58.5 61.7 64.9
23 24 25	11.016 11.492 11.968	37.3 38.9 40.5	40.2 41.9 43.6	43.1 44.8 46.6	45.7 47.6 49.5	50.5 52.6 54.7	54.8 57.1 59.5	58.6 61.2 63.5	62.1 64.6 67.1	65.0 67.9 70.3	66.3 69.0 71.7	67.5 70.3 73.0
30 35 40	14.350 16.734 19.118	47.7 54.5 60.7	51.4 58.6 65.3	54.9 62.6 69.5	58.3 66.2 73.4	64.2 72.7 80.3	69.5 78.3 86.1	74.1 83.4	78.2	81.6		
45 50 55	21.503 23.889 26.275	66.7 72.1 77.2	71.5 77.1 82.3	75.7 81.7 86.9	79.9 85.8 91.3	87.2 93.2						
60	28.661	81.9	87.2	92.0	96.2							
						TYPE	3 LUBRICA	TION				

LUBRICATION: Type 1—Bath or Splash, Oil Cup or Brush
Type 2—Bath or Rapid Dip
Type 3—Disc or Circulating Pump (for drives in this section, consult our Engineering Department).
For Lubrication and Casing Data, see Pages 40–50.

SINGLE WIDTH Silverlink ROLLER CHAINS

FOR MULTIPLE WIDTH CHAINS, SIMPLY MULTIPLY THESE RATINGS BY THE NUMBER OF WIDTHS USED (Ratings Are Based on Uniform Loads and Good Lubrication, Using a Service Factor of 1.0. For other Service Factors, see Page 22.)

13/4" PITCH-NO. RC-140 SINGLE WIDTH CHAIN

Number					REV	DLUTION	S PER M	INUTE-	MALL S	PROCKET				
of Teeth	Pitch Diam., Inches	1	2	3	5	10	15	20	30	50	75	100	125	150
Sprocket	Inches					-	TYPE 1 D	UBRICATI	ON					
11	6.212	.198	.386	.569	.927	1.79	2.59	3.37	4.85	7.55	10.6	13.3	15.7	17.8
12	6.762	.214	.423	.622	1.01	1.95	2.85	3.72	5.35	8.37	11.8	14.8	17.6	20.1
13	7.313	.236	.461	.675	1.10	2.13	3.11	4.06	5.86	9.19	13.0	16.3	19.5	22.3
14	7.864	.252	.498	.734	1.20	9.99	14.1	17.8	21.3	24.4				
15	8.417	.268	.531	.788	1.28	10.8	15.2	19.3	23.1	26.6				
16	8.970	.284	.568	.841	1.37	11.6	16.4	20.8	24.9	28.6				
17	9.524	.305	.606	.895	1.45	2.83	4.13	5.40	7.82	12.3	17.5	22.2	26.6	30.6
18	10.078	.322	.638	.943	1.59	3.00	4.38	5.73	8.30	13.1	18.6	23.7	28.3	32.7
19	10.632	.343	.675	1.00	1.61	3.17	4.63	6.06	8.78	13.9	19.7	25.1	30.0	34.7
20	11.187	.359	.707	1.05	1.69	3.34	4.87	6.37	9.25	14.6	20.7	26.4	31.6	36.4
21	11.742	.381	.745	1.10	1.78	3.49	5.12	6.70	9.71	15.3	21.7	27.7	33.2	38.4
22	12.297	.397	.782	1.15	1.88	3.66	5.37	7.01	10.2	16.1	22.8	29.0	34.8	40.1
23	12.852	.413	.815	1.21	1.97	3.83	5.61	7.33	10.6	16.8	23.9	30.3	36.4	42.0
24	13.407	.434	.852	1.26	2.06	4.00	5.85	7.65	11.1	17.5	24.9	31.7	37.9	43.7
25	13.963	.450	.884	1.31	2.14	4.17	6.09	7.96	11.6	18.2	25.9	32.9	39.4	45.5
30	16.742	.541	1.06	1.57	2.57	4.98	7.28	9.51	13.7	21.7	30.8	39.1	46.8	53.9
35	19.523	.627	1.23	1.83	2.99	5.78	8.44	11.0	15.9	25.0	35.5	44.9	53.7	61.8
40	22.305	.718	1.41	2.09	3.40	6.58	9.60	12.5	18.0	28.3	40.0	50.6	60.3	69.1
45	25.087	.869	1.58	2.34	3.82	7.36	10.74	14.0	20.2	31.6	44.4	56.0	66.5	76.2
50	27.871	.895	1.75	2.59	4.22	8.14	11.86	15.4	22.2	34.7	48.7	61.1	72.4	82.7
55	30.654	.981	1.92	2.84	4.63	8.92	12.97	16.9	24.2	37.7	52.8	66.1	78.2	89.0
60	33.438	1.06	2.09	3.09	5.03	9.67	14.06	18.3	26.2	40.7	56.7	70.9	83.5	94.8
					TYPE 1 I	UBRICAT	ION				T	PE 2 LUI	BRICATIO	N

13/4" PITCH-NO. RC-140 SINGLE WIDTH CHAIN-CONTINUED

Number						REV	OLUTION	ds PER A	AINUTE					
of Teeth n Small	Pitch Diam., Inches	175	200	225	250	275	300	325	350	375	400	425	450	475
procket	III.		TYPE	LUBRICA	TION				T	PE 2 LU	BRICATIO	N		
11 12 13	6.212 6.762 7.313	19.7 22.3 24.9	21.5 24.5 27.3	23.1 26.3 29.6	24.5 28.1 31.6	25.7 29.7 33.4	31.0 35.2	36.7						
14 15 16	7.864 8.417 8.970	27.4 29.8 32.2	30.1 32.8 35.4	32.6 35.6 38.5	34.9 38.2 41.3	37.0 40.6 44.0	39.0 42.8 46.4	40.8 44.8 48.7	42.4 46.7 50.7	48.4 52.7	54.5			
17 18 19	9.524 10.078 10.632	34.5 36.7 38.9	38.0 40.5 43.0	41.3 44.1 46.8	44.3 47.3 50.3	47.3 50.4 53.6	49.9 53.2 56.7	52.4 55.9 59.6	54.7 58.4 62.3	56.8 60.7 64.8	58.8 62.9 67.0	64.8 69.0		
20 21 22	11.187 11.742 12.297	41.1 43.2 45.2	45.3 47.6 49.8	49.2 51.8 54.3	53.0 55.7 58.3	56.5 59.4 62.2	59.8 62.8 65.8	62.8 66.0 69.2	65.6 69.0 72.4	68.1 71.7 75.2	70.7 74.5 78.3	73.0 76.8 80.5	75.1 79.0 83.0	84.8
23 24 25	12.852 13.407 13.963	47.3 49.3 51.2	52.1 54.3 56.5	56.7 59.1 61.5	61.0 63.6 66.1	65.1 67.8 70.5	68.7 71.6 74.5	72.3 75.1 78.2	75.5 78.7 81.7	78.5 81.9 85.0	81.2 84.8 88.0	84.0 87.3 90.6	86.5 89.9 93.4	88.8 92.4 95.9
30 35 40	16.742 19.523 22.305	60.5 69.2 77.3	66.7 76.1 84.9	72.5 82.5 91.6	77.8 88.4 98.2	82.9 93.9 104.0	98.9 109.1	91.6 103.5 114.2	95.7 108.0	99.0	102.9			
45 50 55	25.087 27.871 30.654	84.9 92.0 98.8	92.9 100.4 107.5	100.1 108.1 115.4	107.0 115.1 122.4	113.0								
60	33.438	105.0	113.9	122.0										
							TYPE 3 L	UBRICAT	ION					

LUBRICATION: Type 1-Bath or Splash, Oil Cup or Brush

Type 2—Bath or Rapid Drip
Type 3—Disc or Circulating Pump (for drives in this section, consult our Engineering Department).
For Lubrication and Casing Data, see Pages 40-43.

HORSE POWER RATINGS FOR

FOR MULTIPLE WIDTH CHAINS, SIMPLY MULTIPLY THESE RATINGS BY THE NUMBER OF WIDTHS USED (Ratings Are Based on Uniform Loads and Good Lubrication, Using a Service Factor of 1.0. For other Service Factors, see Page 22.)

2" PITCH-NO. RC-160 SINGLE WIDTH

								-						
Number	Pitch				REV	OLUTIONS	PER MI	NUTE-S	MALL SPI	ROCKET				
of Teeth in Small	Diam	1	2	3	5	10	15	20	40	60	80	100	120	140
Sprocket	Inches						TYPE 1 LU	BRICATI	DN					
11	7.099	.296	.576	.840	1.37	2.64	3.83	4.97	9.14	12.8	16.1	19.1	21.9	24.3
12	7.727	.320	.632	.928	1.51	2.90	4.22	5.48	10.1	14.3	18.0	21.5	24.6	27.4
13	8.357	.344	.688	1.00	1.64	3.16	4.60	6.00	11.1	15.7	19.9	23.7	27.2	30.5
14	8.988	.368	.736	1.08	1.76	3.42	4.98	6.49	12.1	17.2	21.8	25.9	29.9	33.5
15	9.620	.400	.792	1.16	1.88	3.67	5.36	6.99	13.0	18.4	23.5	28.1	32.4	36.4
16	10.252	.424	.848	1.24	2.01	3.93	5.73	7.49	14.0	19.8	25.3	30.3	34.9	39.3
17	10.885	.456	.896	1.32	2.14	4.18	6.11	7.97	14.9	21.1	27.0	32.4	37 4	42.0
18	11.518	.480	.952	1.40	2.27	4.43	6.48	8.46	15.8	22.5	28.7	34.4	39 7	44.9
19	12.151	.512	1.00	1.48	2.40	4.69	6.86	8.95	16.7	23.9	30.4	36.4	42.0	47.6
20	12.785	.536	1.05	1.56	2.52	4.94	7.21	9.41	17.6	25.1	32.0	38.4	44.3	50.1
21	13.419	.560	1.11	1.64	2.65	5.19	7.57	9.88	18.5	26.4	33.6	40.4	46.7	52.6
22	14.053	.592	1.16	1.71	2.80	5.43	7.94	10.4	19.4	27.6	35.2	42.3	49.0	55.1
23	14.688	.616	1.21	1.80	2.93	5.68	8.30	10.8	20.3	28.9	36.8	44.2	51.2	57.7
24	15.323	.648	1.26	1.88	3.07	5.92	8.66	11.3	21.1	30.1	38.4	46.1	53.3	60.1
25	15.958	.672	1.32	1.95	3.19	6.17	9.00	11.8	22.0	31.3	40.0	47.9	55.4	62.5
30	19.134	.808	1.57	2.32	3.81	7.38	10.76	14.0	26.2	37.3	47.4	56.9	65.7	73.9
35	22.312	.936	1.83	2.72	4.40	8.57	12.43	16.3	30.3	42.9	54.6	65.4	75.4	84.6
40	25.491	1.072	2.09	3.10	5.00	9.74	14.20	18.5	34.3	48.5	61.5	73.5	84.5	94.8
45	28.671	1.200	2.35	3.39	5.67	10.9	15.87	20.6	38.2	53.8	68.1	81.2	93.1	104.2
50	31.852	1.328	2.60	3.84	6.27	12.0	17.52	22.8	42.0	59.0	74.5	88.5	101.3	113.1
55	35.033	1.456	2.86	4.22	6.87	13.2	19.14	24.8	45.7	64.1	80.5	95.5	109.0	121.4
60	38.215	1.584	3.12	4.60	7.47	14.3	20.75	26.9	49.3	68.9	86.5	102.2	116.5	129.3
				TYP	E 1 LUBRI	CATION				1	YPE 2 L	UBRICATI	ON	

2" PITCH-NO. RC-160 SINGLE WIDTH-CONTINUED

Number					RE	VOLUTION	S PER M	INUTE-	SMALL SI	PROCKET				
of Teeth in Smell	Pitch Diam.,	160	180	200	220	240	260	280	300	320	340	360	380	400
Sprocket	Inches		т	YPE 1 LUI	RICATION					TYPE :	LUBRIC	ATION		
11 12 13	7.099 7.727 8.357	26.5 30.1 33.6	28.6 32.5 36.4	30.4 34.8 39.0	32.1 36.9 41.4	33.6 38.6 43.6	40.4 45.7	47.5						
14 15 16	8.988 9.620 10.252	37.0 40.2 43.4	40.2 43.7 47.2	43.1 47.0 50.9	45.9 50.0 54.1	48.4 52.9 57.3	50.6 55.5 60.2	52.8 58.0 62.9	54.9 60.3 65.5	62.4 67.9				
17 18 19	10.885 11.518 12.151	46.4 49.5 52.6	50.6 54.0 57.2	54.5 58.1 61.6	58.1 62.1 65.8	61.5 65.7 69.9	64.8 69.2 73.6	67.7 72.4 77.1	70.5 75.5 80.3	73.1 78.3 83.4	75.5 80.9 86.2			
20 21 22	12.785 13.419 14.053	55.3 58.1 60.8	60.3 63.4 66.4	65.0 68.3 71.6	69.4 73.1 76.6	73.6 77.5 81.1	77.6 81.5 85.4	81.4 85.5 89.5	84.6 89.1 93.3	87.8 92.5 96.9	90.8 95.6 100.1	93.4 98.7 103.0	101.5 106.2	
23 24 25	14.688 15.323 15.958	63.7 66.5 69.1	69.4 72.4 75.3	74.9 78.0 81.2	80.0 83.3 86.7	84.8 88.3 91.9	89.3 93.0 96.6	93.5 97.4 101.2	95.7 101.5 105.5	101.3 105.4 109.5	104.4 108.6 113.0	107.9 112.4 116.5	115.5	113.6 118.4
30 35 40	19.134 22.312 25.491	81.6 93.3 104.2	88.9 101.3 112.9	95.6 108.8 121.1	101.9 115.8 128.6	107.9 122.3 135.4	113.5 128.5 142.1	118.7 134.2	123.6 139.3					
45 50 55	28.671 31.852 35.033	114.3 123.7 132.7	123.7 133.4 142.8	132.3 142.4 151.9	140.3 150.3	147.4								
60	38.215	140.7	151.1									,	J	
						т	YPE 3 LU	BRICATIO	ON					

LUBRICATION: Type 1—Bath or Splash, Oil Cup or Brush
Type 2—Bath or Rapid Drip
Type 3—Disc or Circulating Pump (for drives in this section, consult our Engineering Department).

For Lubrication and Casing Data, see Pages 40-43.

SINGLE WIDTH Silverlink ROLLER CHAINS

FOR MULTIPLE WIDTH CHAINS, SIMPLY MULTIPLY THESE RATINGS BY THE NUMBER OF WIDTHS USED (Ratinas Are Based on Uniform Loads and Good Lubrication, Using a Service Factor of 1.0. For other Service Factors, see Page 22.)

21/2" PITCH-NO. RC-200 SINGLE WIDTH

Number						LL SPRO	OCKET							
of Teeth in Small	Pitch Diam., Inches	1	2	3	5	10	15	20	30	40	50	60	70	80
Sprocket	Inches						TYPE 1 L	UBRICA	TION					
11	8.872	.578	1.10	1.62	2.65	5.06	7.32	9.46	13.4	17.2	20.6	23.9	26.9	29.8
12	9.660	.625	1.21	1.79	2.92	5.57	8.07	10.5	15.0	19.1	23.1	26.8	30.3	33.6
13	10.447	.672	1.32	1.93	3.17	6.08	8.82	11.4	16.5	21.0	25.4	29.5	33.4	37.1
14	11.235	.719	1.43	2.10	3.43	6.57	9.56	12.4	17.9	22.9	27.6	32.2	36.5	40.6
15	12.025	.781	1.53	2.26	3.68	7.08	10.29	13.4	19.3	24.7	29.9	34.8	39.5	43.9
16	12.815	.828	1.64	2.42	3.93	7.56	11.01	14.3	20.6	26.5	32.1	37.4	42.4	47.2
17	13.605	.891	1.73	2.57	4.18	8.06	11.73	15.3	22.0	28.3	34.2	39.9	45.4	50.5
18	14.397	.938	1.84	2.71	4.43	8.55	12.45	16.2	23.3	30.0	36.4	42.4	48.2	53.7
19	15.190	.984	1.95	2.87	4.70	9.05	13.17	17.1	24.7	31.8	38.5	45.0	51.2	57.0
20	15.982	1.03	2.04	3.03	4.93	9.51	13.85	18.0	26.0	33.5	40.6	47.3	53.8	60.0
21	16.775	1.09	2.15	3.18	5.18	9.99	14.45	18.9	27.3	35.1	42.6	49.7	56.5	63.1
22	17.567	1.15	2.25	3.32	5.43	10.50	15.25	19.8	28.6	36.8	44.7	52.1	59.2	66.1
23	18.360	1.20	2.35	3.48	5.68	10.90	15.95	20.7	29.9	38.5	46.7	54.5	62.0	69.0
24	19.152	1.25	2.45	3.64	5.93	11.40	16.64	21.6	31.2	40.2	48.7	56.8	64.6	71.9
25	19.947	1.29	2.56	3.78	6.17	11.80	17.31	22.5	32.5	41.8	50.7	59.1	67.2	74.9
30	23.917	1.56	3.06	4.53	7.39	14.20	20.67	26.9	38.7	49.8	60.3	70.3	79.8	88.8
35	27.890	1.81	3.56	5.28	8.59	16.40	23.85	31.2	44.8	57.5	69.5	80.9	91.8	102.1
40	31.865	2.07	4.06	6.01	9.76	18.70	27.23	35.3	50.6	64.9	78.4	91.0	103.3	114.8
45 50 55	35.840 39.815 43.792	2.34 2.57 2.84	4.56 5.04 5.53	6.73 7.45 8.17	10.95 12.10 13.26	20.90 23.10 25.30	30.41 33.54 36.62	39.4 43.4 47.4	56.4 62.0 67.5	72.2 79.2 86.1	95.3 103.5	100.7 110.4 119.7	114.1 124.8 134.9	126.8 138.3 149.3
60	47.767	3.07	6.03	8.89	14.40	27.40	39.67	51.2	72.9	92.8	111.3	128.6	144.8	159.9
					TYPE 1	LUBRICA	TION				T	PE 2 LUI	BRICATIO	N

21/2" PITCH-NO. RC-200 SINGLE WIDTH-CONTINUED

Number	Pitch				R	EVOLUTIO	NS PER A	AINUTE-	SMALL SP	ROCKET			
of Teeth in Small	Diam., Inches	90	100	110	120	140	160	180	200	220	240	260	280
Sprocket	Inches			TYPE	1 LUBRIC	ATION				TYPE	2 LUBRIC	ATION	
11 12 13	8.872 9.660 10.447	32.5 36.7 40.7	35.1 39.6 44.0	37.4 42.4 47.1	39.7 45.1 50.3	43.9 50.1 56.0	47.5 54.4 60.9	58.4 65.7	69.8				
14 15 16	11.235 12.025 12.815	44.4 48.3 51.8	48.2 52.2 56.3	51.7 56.2 60.6	55.0 59.8 64.6	61.5 66.9 72.4	67.3 73.4 79.3	72.6 79.2 85.6	77.4 84.7 91.7	89.6 97.2			
17 18 19	13.605 14.397 15.190	55.5 59.0 62.7	60.2 64.1 68.2	64.9 69.1 73.2	69.1 73.7 78.2	77.6 82.5 87.7	85.1 90.7 96.4	92.3 98.3 104.6	98.8 105.4 112.1	104.7 111.9 119.1	110.2 117.9 125.5		
20 21 22	15.982 16.775 17.567	65.9 69.2 72.6	71.7 75.3 78.9	77.1 81.0 85.0	82.3 86.6 90.8	92.2 97.2 101.8	101.5 106.9 111.7	110.2 115.8 121.4	118.2 124.1 130.3	125.5 131.8 138.4	132.3 139.0 145.8	138.5 145.6 152.7	
23 24 25	18.360 19.152 19.947	75.9 79.1 82.3	82.4 86.0 89.6	88.8 92.5 96.3	94.9 98.8 102.9	106.3 110.8 115.2	116.9 121.8 126.8	126.8 132.1 137.5	135.9 141.7 147.2	144.4 150.6 156.4	152.3 158.6 164.8	159.5 166.2 172.6	173.1 179.7
30 35 40	23.917 27.890 31.865	97.5 112.1 125.7	105.9 121.6 135.8	114.0 130.5 146.1	121.7 139.2 155.5	136.1 155.4 173.2	149.4 170.2 189.2	161.7 183.7 203.8	173.1 196.2	183.5 207.5			
45 50 55	35.840 39.815 43.792	138.7 151.1 162.7	150.0 163.2 175.4	160.6 174.5 187.4	170.8 185.2 198.7	189.6 205.1 219.3	206.7 222.7						
60	47.767	174.0	187.2	199.8	211.4								
		<u> </u>	YPE 2 LU	BRICATIO	N				YPE 3 LUI	BRICATIO	N		
TITED	TOATTON.	Th	D	0-1	NI C	- Daniel							

LUBRICATION: Type 1—Bath or Spitath, Oil Cup or Bruth
Type 2—Bath or Rapid Drip
Type 3—Disc or Circulating Pump (for drives in this section, consult our Engineering Department).
For Lubrication and Casing Data, see Pages 40-43.

LUBRICATION AND CASINGS FOR

LUBRICATION PROLONGS CHAIN LIFE

Service, size of chain, operating conditions, etc., all have a widely varying effect on the life of a chain. Many slow speed drives are performing successfully with little lubricigation, but obviously where operating conditions permit, lubrication will prolong, sometimes double, the life of a chain drive. Proper lubrication protects the parts from corrosion, and reduces friction and wear.

All operating chain drives generate some heat. The amount vaties with the chain speed, hore power transmitted, size of drive, quantity and grade of lubricant, alignment, and ventilation. For some drives, the operating temperature is approximately that of the surrounding atmosphere, while for others, normal operating temperature by from 60 to 70 degrees. Fabrenheit. Proper lubrication protects the parts from corrosion and reduces friction and wear.

METHODS OF LUBRICATION

Lubrication should be sufficient to effectively lubricate the contacting surfaces of the chain joints and sprockets, and experience indicates that the desirable method is influenced by chain speed and power transmitted, as tabulated below:

	. м	ethod
Chain Speed	Automatic	Manual
Under 600 FPM	Bath or Splash	Oil Cup or Brush
600 to 1500 FPM	Bath or Splash	Oil Cup (rapid drip)
Ones 1500 PDM	Donney on Disco	Not recommended

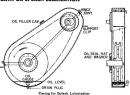


MANUAL LURRICATION

Manual Lubrication is recommended only for low speed open drives and low horse power when the drive is not subject to abrasive dust.

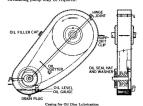


RATH OF SPLASH LURRICATION



For bath or splanh habrication, a reservoir of of must be maintained in the casing. The chain itself may be run through this oil supply constantly; or a metal disc (with a larger diameter than the diameter of the lower sprocked) can be mounted on lower sprocked and the oil collected and lead to the lower strand of chain as shown. Good practice limits the depth of chain in oil to from Jef to Me.

If drive design involves high horse power and short centers, a circulating pump may be required.

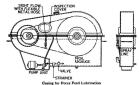


FORCE FEED LURRICATION

Force feed lubrication and circulating system which is generally required for extremely high speeds and high horse powers, the casing being provided with a pump to supply oil, to effect the necessary lubrication and cooling of the drives.

Silverlink ROLLER CHAIN DRIVES

FORCE FEED LUBRICATION-CONT'D

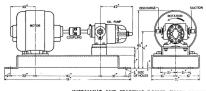


SELECTING THE PROPER LUBRICANT

Naturally, the selection of the proper grade of lubricant is important. A good grade of mineral oil of medium or light consistency should be used, and can be obtained from any reputable oil company. The oil should be free flowing at the prevailing temperature.

The following recommendations will guide you in the selection of the correct lubricant. For high temperatures an oil with a paraffine base should be used. For temperatures beyond the listed range, consult the nearest Link-Belt office for recommendations.

Temperature of Atmosphere Surrounding Drive	S. A. E. Viscosity Number
20-40 Degrees Fahrenheit	20
40-100 Degrees Fahrenheit	30
100 to 140 Dorrose Enbronheit	50



An oil pump mounted on or off the casing and driven from either the driver or driven shaft may be used where electric power is not available. These pumps usually operate at about 500 R.P.M.

This pump assembly is used when pump and motor cannot be mounted on the casing.

INSTALLING AND STARTING ROLLER CHAIN DRIVES

A Roller Chain Drive is not difficult to install, and any mechanic can do the work satisfactorily if he follows instructions given below.

SMAITS AND SPROCKITS: Care should be exercised in aligning roller chain drives. See that the shafts are parallel. The distance between shafts on both sides of the wheels should be measured and both sides must be spaced the same distance apart. In other words, C should equal C!. Bearings and all supports for them must be rigided and keet so.

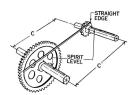
A spirit level abould be used on the sprocket shafts to see that they are level. The wheels must be well in line and can be best checked by using a heavy cord or straight edge along the face of the two wheels. After the drive is started the alignment can be checked by inspecting the sides of sprocket faces. This is particularly necessary if one sprocket is on the shaft of a motor that has shaft float. Wear on faces indicates wheel misslignment which should be immediately corrected.

TENSION ON CHAIN: We are often asked under what tension a chain should run, but it is not possible to lay down a definite rule. The advisable tension depends upon the character of service, upon the length of chain, and upon the position of the drive. As a general rule, however, the chain should ber una at ension which would be considered just too slack for a leather belt. Chains on drives operating on vertical centers should be kept almost taxt.

drives operating on vertical centers should be kept almost taut. It is advisable to have one shaft movable, so that slack, if it occurs, can be readily taken up. CAUTIONS: See that directions as to alignment have been followed and see that the chain joints are thoroughly saturated with oil before starting.

More damage can be done by improper starting than by years of service.

Our responsibility is limited to our charge for the drive.



CASINGS FOR Silverlink ROLLER CHAIN DRIVES



CASINGS PROLONG CHAIN LIFE

Casings prolong the high efficiency and life of Roller Chain Drives by providing adequate lubrication at all times. Moving parts are fully enclosed—an important safety precaution. CASINGS MADE OF HEAVY GAUGE STEEL

Casings are made of heavy gauge steel, split to facilitate installation and to provide ready access for inspection. A bayonet type indicator shows the exact oil level in the casing. ADJUSTMENT FOR SHAFT CENTERS

All casings will accommodate adjustment of shaft centers and are made for normal and severe operating conditions for various relative shaft positions.

STANDARDIZED DESIGN

Standardized designs may be adapted to a wide range of special applications and special constructed casings can also be supplied when required. OIL-RETAINING CASING-TYPE "X"

Type "X" oil-retaining casings are recommended for the average installation. This casing has single hats and washers and standard lap joints.

OIL AND DUST-TIGHT CASING-TYPE "Z" Where unusual conditions exist such as in fertilizer plants, foundries, etc., or for oil pump lubrication, or where extra precaution against oil leakage is desired, we recommend the Type "Z" oil and dust-tight casing. **GUARD TYPE CASINGS**

Guard type casings with the hats and washers omitted, are frequently used to conform to safety requirements. Prices on application.

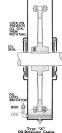
LIST PRICES FOR CASINGS

List Prices of Roller Chain Casings are determined by the shaft centers and type of casing involved. Sprocket Wheel sizes and pitch of chain influence casing dimensions but have no bearing upon list prices. Be sure to specify location of shaft openings and relative shaft positions. See opposite page. LIST PRICES—CASINGS

Shaft Centers.	Types of	Casings	Shaft Centers	Types of	Casings	Shaft Centers	Types of Casings			
Inches	"X"	"Z"	Inches	"X"	"Z"	Inches	"X"	"z"		
Up to 12	\$16.35	\$25.50	271/4 to 30	\$31.00	\$46.00	541/4 to 60	\$69.00	\$94.50		
121% to 15	17.60		3014 to 33	33.00	49.00	601% to 66	85.50	114.50		
151/s to 18	19.10	29.50	331/4 to 36	42.00	61.00	6614 to 72	93.00	123.00		
1814 to 21	22.00	34.00	3614 to 42	47.50	68.50	721/2 to 84	128.00	146.00		
211/s to 24	24.60	37.50	421/4 to 48	53.00	75.50	8414 to 96	153.50	177.00		
241/2 to 27	27.50	41.00	4834 to 54	61.00	85.00	961/4 to 108	195.00	224.00		

ISS include transland casing with Efforcial washers, complete.

where the translation of casing for present accuracy and a second case of the case of







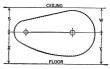
Type "Z"
Oil and Dust-Tight Casing

E

PRICES-	-REPLACEMEN	IT WASHERS
Diameter	Thermoid Washers	Hydroil Washers
514"	\$1.65	\$1.35
635"	1.95	1.50
834"	2.80	2.00
1235	4.25	2.70

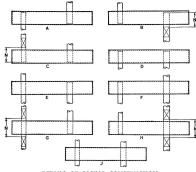
AND INSTRUCTIONS ON HOW TO ORDER

The side views apply to all the diagrams, and we should have dimensions N, S, W, X, and Y. The direction of rotation should also be indicated by arrow.

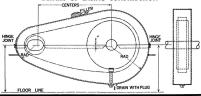


Designate, by letter, which plan view diagram represents your conditions, as you look DOWN on the casing, with the SMALL sprocket at your LEFT.

RELATIVE POSITION OF SHAFTS



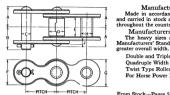
DETAILS OF CASING CONSTRUCTION



SINGLE WIDTH

Silverlink ROLLER CHAINS

MANUFACTURERS' (A.S.A.) STANDARD SIZES



LIST PRICES

Manufacturers' (A. S. A.) Standard Sizes

Made in accordance with Manufacturers' (A. S. A.) Standards and carried in stock at Link-Belt warehouses, and by distributors throughout the country.

Manufacturers' (A. S. A.) Standard Heavy Sizes The heavy sizes are the same in general appearance as the Manufacturers' Standard Sizes except for the thicker side bars and

Double and Triple Width Chains Page 46. Ouadruple Width Chains Page 47. Twist Type Roller Chain, Pages 172, 173, For Horse Power Ratings, See Pages 30-39.

SPROCKETS

From Stock-Pages 58-66. Made-To-Order-Pages 66-87.

For Conveyor Chains and Sprockets, See Pages 125-170, Bronze and Stainless Steel Chains, Pages 162-167. LIST PRICES. DIMENSIONS AND WEIGHTS Average

Link-Belt Chain Number	Pitch		Chain Foot Riveted Type	Connect ing and Coupler Links,co	Links,		Strength, Pounds (Actual Tests)	Wt., per Foot	^	В	Pin Dism. C	Diam.	Width E	F	G	Bush Diam. H	1
						STAN	IDARI	D SIZ	ZES								
⊗ ‡RC-35 ‡RC-40	38		\$0.50	\$0.08	\$0.08	Ø\$0.18	2,100 3,700	.2	.231	.283	.141	.200	36	.286	.344	.200	.050
RC-41 1RC-50	1/2		.36	.04	.04	Ø .16	2,000 6,100	.277	.268	.310		306	No.	.310	.383	.200	.050
RC-60 RC-80	1	\$1.00	1.60	.10	.10	.32	8,500 14,500	1.0	.489	.574	.234	13/22	3/8	.600	.710	.345	.094
*RC-100 *RC-120	136	2.60	2.60	.22	.30	.68	24,000 34,000	2.56	.754	1.116	.375	15/2 5/8 3/4 7/8	134	11/8	11/8	.546	.156
*RC-140 *RC-160	2	3.60	3.00	.48	.60	1.00	46,000 58,000	4.65 6.32	1.022	1.383	.500	11/4	11/4	136	196	.718 .812	.218
△*RC-200	21/2	7.70	7.70	1.80	2.30	3.20	95,000	11.0	1.546	1.827	.781	13%	11/2	11%	2%	1.120	.312

Chains marked (*) are not carried in stock in the riveted type. 1Riveted type only. Scaleriess. Amade only with solid roller.

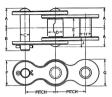
ORC-35, and RC-41 Offset Links are 2-pitch as standard. For list prices of other sizes of 2-pitch offsets, use list prices of offset links, plus list prices of

			LIST PRIC	ES, DIMENSIONS	AND WEIGHTS				_
American Standards Number	Link-Belt Chain Number	Type .		r Offset Minimum Ultimate Strength, Pounds	Wt., ptr A B Foot	Pin Diam. C Diam. Width	F G	Bush. Diam. H	1
			STAN	IDARD HEA	VY SIZES				
60H 80H 100H 120H 140H 160H	RC-6011 RC-8011 RC-10011 RC-12011 RC-14011 RC-16011 RC-250S	11/2 2.80 13/4 3.50	\$1.00\\$0.10\\$0.1 1.70\ .18\ .2 2.20\ .25\ .38\ .5 2.80\ .38\ .5 3.50\ .56\ .7 4.20\ .72\ 1.0 9.50\ 1.98\ 2.5	4 .74 24,000 4 .88 34,000 2 .98 46,000 8 1 20 58,000	1.9 .677 .80 2.8 .817 .94 4.0 1.003 1.11 5.4 1.084 1.21	36 234 156 156 33 312 56 56 56 56 56 56 56 56 56 56 56 56 56	.600 .710 .750 .906 31/4 11/4 11/4 13/4 13/4 13/4 13/4 13/4 13/4 23/4	345 442 546 656 718 812 1 175	5. 10 10 10 10 10 10 10 10 10 10 10 10 10

Silverlink ROLLER CHAINS

NON-STANDARD SIZES

SINGLE



These chains are rather extensively used, but do not conform to Manufacturers' Standards. They are higher priced, and are not regularly carried in stock.

SPROCKETS

Made-To-Order-Pages 66-87.

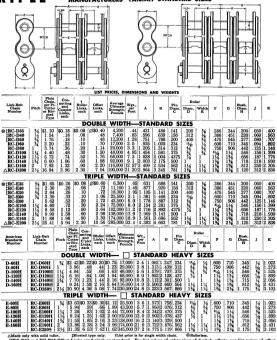
LIST PRICES, DIMENSIONS AND WEIGHTS

			L	ST PRIC	ES		Average					Rol	ller				
Link-Belt Chain	Pitch	Plain	Chain Foot	Connect-	Parts		Ultimate Strength, Pounds	Wt.,		R	Pin Diam.	Diam.	Width	P	a	Bush Diam.	
Number	Pitch	Cotter	Riveted	ing and Coupler Links, co.	Roller Links, each	Offset Links, each	(Actual Tests)	Foot	^	ь	C	Diam.	E	•	ŭ	H	,
1RC-42	3/2		\$0.28		\$0.04	Ø\$0.16	1,700	.21	.205	.263	. 141	.306	3%	.310	.382	.200	.040
RC-43 RC-52	1/2		.26	.04	.04	Ø .16	1,700 6,100	.18	.174	.232	.141	.306	13	.310	.382	.200	.040
RC-61	32	\$1.10	1.00	.10	.10	.34	8,500	.92	.426	.511	.234		3/4	.600	.710	.345	.094
RC-62	12	1.10	1.00	.10	.10	.34	8,500	.9	.395	.480	.234	15%	26	.600	.710	.345	.094
RC-64 RC-76	135	1.50	1.40	.10	.12	.34	8,500 8,500	1.10	.552	.501	.234	132	32	.600	.710	.345	.094
RC-77	12	1.10	1.00	.10	.10	.34	8,500	1.0	.460	.530	.250	15%	3%	.600	.710	.345	.100
RC-78 RC-79	13	1.10	1.00	.10	.10	.34	8,500 8,500	1.08	.521	.591	.250	######################################	1.2	600	.710	.345	.100
RC-101	1 4	1.50	1.40	. 14	.18	.50	9,700	1.2	.588	693	.281	1/2	1/2	.605	.750	.406	.125
RC-104 RC-106	1	1.90	1.80	.18	.22	.54	15,000 15,000	1.95 2.075	.662	.752	.327	39	1/3	.820 .820	.946	.446	.156
RC-126	i ₁₄	1.90	1.90	.22	.28	.60	15,000	1.83	.724	.814	.327	33	5%	.820	.946	.446	.156
RC-130	134	2.00	2.00	.22	.30	.68 .74	20,000	2.3	.724	.814	.343	33	1 88	11/2	134	.546	.156
RC-131 RC-151	133	2.40	2.40	.30	.40	.74	23,000	2.73	.867	.961	375	34		112	13%	.546	.187
RC-154	132	2.60	2.60	.34	.50	.80	30,000	3.8	.890	1.069	.453	24	1.34	11%	13%	.656	.218
RC-155	111/2	2.80	2.80	.38	.54	.88		4.13	1.018	1.195	.453	1 1/8	1	11/8	13%	.656	.218

Chains marked (*) are not carried in stock in the riveted type. TRiveted type only. ©Rollerless. Made only with solid roller.
©RC-42 and RC-43 Offset Links are 2-pitch as standard. For list prices of other sizes of 2-pitch offsets, use list prices of offset links, plus list prices of other sizes.

DOUBLE

Silverlink ROLLER CHAINS

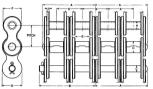


Added only with solid roller. [Riveted type only. If they price is for single width chain. @Rollertess. [PRC-D35 and RC-253 Offset: Links are 2-pitch as standard. For list prices of other sizes of 2-pitch offsets, use list prices of offset links, plus list prices of Chains will not operate on sprockets for multiple width standard size chain. See page 51 for sprocket dimensions.

Silverlink

ROLLER CHAINS

*QUADRUPLE WIDTH



				<u> </u>	ָל			=	<u> </u>		ţ						
					LIST	PRICES, I	IMENSI	ONS A	ND WEIG	HTS							_
Link-Belt Chain Number	Pitch	Plain Chain, per Ft. Cotter or Riv- eted Type	Con- necting and Coupler Links, each		Offset Links, each	Average Ultimate Strength, Pounds	Weight, per Foot	٨	В	Pin Diam. C	Diam. D	Width E	Р	G	Bush. Diam. H	J	ĸ
						STA	NDAR	D SI	ZES								
⊗ RC-F35 RC-F40 RC-F50 RC-F60 RC-F80 RC-F100 RC-F120 RC-F140 RC-F160 △ RC-F200	1 1 1 1 1 1 1 2 2 2 1 2	\$2.20 3.08 3.52 4.40 7.48 8.80 11.44 13.20 15.84 33.88	\$0.36 .36 .44 .70 .96 1.50 2.12 2.64 7.92	\$0.08 .08 .10 .10 .20 .30 .50 .60 .90 2.30	Ø\$0.80 .96 .96 .96 1.40 2.28 3.00 3.52 3.96 4.40 14.08	8,400 14,800 24,400 34,000 58,000 96,000 136,000 184,000 232,000 380,000	.84 1.62 2.55 4.1 6.7 10.8 15.0 18.6 25.3 44.6	.836 1.165 1.447 1.827 2.351 2.854 3.604 3.934 4.684 5.799	.888 1.212 1.518 1.912 2.460 2.980 3.780 4.106 4.838 6.080	.141 .156 .200 .234 .312 .375 .4375 .500 .562 .781	200 312 400 15/2 28 34 11/6 11/6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	286 386 475 600 750 11/8 11/8 11/8	.344 .451 .545 .710 .906 11% 13% 13% 23%	.200 .220 .277 .345 .442 .546 .656 .718 .812 1 .120	250	.400 .563 .707 .892 1 .146 1 .399 1 .776 1 .930 2 .305 2 .836
American Standards Number	Link Ch Nun	ein I	Pitch	otter a	ting †Roller ad Links, pler each	Offset Ul		Vt., per oot	В	Pin Diam C	Diam.		P	q	Bush. Diam. H	J	к
						TAND	ARD	HEA	VY S	ZES							
F-60H F-80H F-100H F-120H F-140H F-160H	RC-F RC-F RC-F RC-F RC-F RC-F	80H 100H 120H 140H 160H	1 1	7.92 9.68 1 2.32 1 5.40 2 3.48 3	44 \$0.40 79 88 10 1.36 67 2.16 46 2.88 17 4.32 71 10.16	2.46 5 3.26 9 3.87 13 4.31 18	4,000 21 2,000 28	.6 2. 2 3. 0 3. 6 4.	084 2 269 586 2 711 104 3 231 851 4 021 168 4 351 937 5 09 326 6 67	2 .312 2 .375 7 .437 7 .500 1 .562	15/2 5/8 3/4 1 11/4 13/8	1/4 1/4 1/4 1/4 1/4	600 750 31/6 11/6 15/6 15/6	.710 .906 11% 13% 13% 13% 23%	.345 .442 .546 .656 .718 .812 1.175	12	1 022 1 273 1 525 1 899 2 056 2 431 3 103

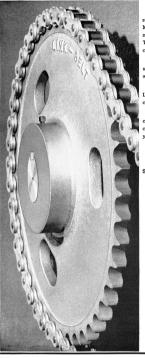
AMate only with solid roller. IRivered type only. List price is for single width chain. & Rollerless.

ØRC-PS Offert Links are 2-pitch as standard. For list prices of other sizes of 2-pitch offsets, use list prices of offset links, plus list prices of roller links.

Pleavy Sizes of Chain will not ocerate on sorockets for multiple width standard sizes of chain. See page 51 for sprocket dimensions.

★ Greater Number of widths in all standard pitches of chain are available. Prices and information on request.

SPROCKETS . . . cut tooth for



Link-Belt Sprockets are designed according to the standard tooth form approved by American Society of Mechanical Engineers, Society of Automotive Engineers and American Gear Manufacturers' Association. This tooth form will compensate for any normal increase in pitch due to chain wear.

Sprockets are made of hardened and non-hardened steel, cast iron or cast steel for single and multiple width chains.

Stock Sprockets on pages 58 to 65 are available at Link-Belt Plants, Warehouses and Distributors located in practically every industrial center.

Made-to-Order Sprockets listed on pages 66 to 123 cover a much larger range of sizes to meet every condition, in case you cannot find a wheel to meet your requirements in stock sizes.

SPROCKETS FROM STOCK

Single, Double and Triple Width Pages 58-65

MADE-TO-ORDER SPROCKETS
Single Width
Double Width
Triple Width
Quadruple Width
Plate
Double-Duty
Breaking Pin Hub
Extended Pitch
Flat-TopPage 150
Universal Carrier Page 155
Horizontal Plane Bend Page 158

SMOOTH LONG-ENDURING SERVICE



WHATE SPECIAL



PLATE SPROCKETS

Type "A" Steel Plate Sprockets for mounting on hubs or flanges and can be furnished solid or split, with bores and bolt holes to suit. Page 86 gives standard bores, bolt circle diameters and bolt diameters. Plate Sprockets can be furnished bardened as noted in the list prices, pages 81-85.

WEBBED AND ARM SPROCKETS

Webbed sprockets are furnished in the smaller diameters while arm sprockets are usually supplied for the larger sizes. Both forms of sprockets can be furnished with either Type: "B" or "C" "Hubs. Type" "B" sprocket has bub on one side and is made of steel. Type "C" Sprockets with hubs on both sides are furnished in cast iron or steel. Cast sprockets in larger diameters can be made sold or split.

DOUBLE DUTY SPROCKETS

The Type "D" Double Duty Sprocket adds convenience and still greater economy to the roller chain drive. The principle of its construction is to provide a removable rim section for ease of replacement, renewal or change of speed ratio. The hub section can be used indefinitely and new rim section (which is split) can be substituted without removal of the hub.

WELDED HUB SPROCKETS

Welded Hub Sprockets are made by welding steel hubs to steel plates, a fillet being formed at the plate-hub section by a continuous circumferential weld. Available in both "B" and "C" types.

BREAKING PIN HUR SPROCKETS

Damage to machinery due to jamming may be avoided by the use of breaking pin hub one sprocket in the drive. Gives instant and dependable protection against overloading from any cause.





TYPE "D" DOUBLE-DUTY SPROCKET



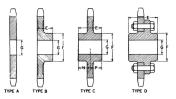




WILDED HUB SPROCKET

SPLIT SPROCKET (Type "C" Only)

SPROCKETS-HOW TO ORDER



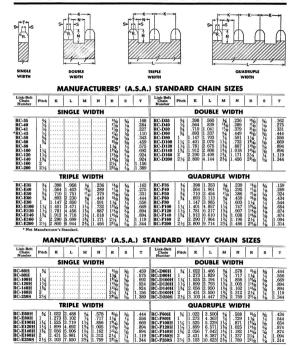
When requesting quotations, or ordering sprockets, please furnish the following information, to facilitate prompt service.

- Quantity wanted.
- 2. Metal-Cast Iron, or Steel.
- Type of Wheel.
- 4. Solid or Split.
- 5. Number of Teeth
- Number of Chain.
- (a) Pitch of links.
 - (b) Diameter of rollers.
 - (c) Width of rollers.
 - (d) Width of chain—single, double, triple, quadruple, etc.
- Bore, "G". (See note for tolerances, page 21).
- Length of hub through bore, "E", if required different from standard.

- If any hubs are wanted offset, give projections "N" and "P", from center line.
- Maximum hub diameter "F", if space is limited.
- 11. Keyseated or Setscrewed.
- If keyseated, state whether straight or tapered (and location as to teeth, if necessary).
- Give width and depth of key seat if different from standard shown on page 23.
- In case of taper key seat in offset hub, specify from which side key is to be driven.

- Give number and location of Set Screws, if different from standard. Hollow Head Type Set Screws are standard.
- If steel plate sprocket is wanted case hardened or heat treated, please specify which.
- 17. Give bolt hole specifications for plate sprockets, if wanted different from our standard shown on page 86. If holes are to be in exact position with respect to location of teeth, be sure to so specify. See note page 86.
- For any other requirements, please give details, drawings, etc.

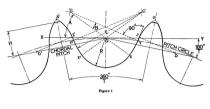
SPROCKET TOOTH DIMENSIONS

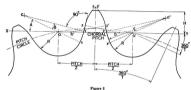


FOR CHAINS, SEE PAGES 44-47.

51

STANDARD SPROCKET TOOTH DESIGN





In Figure 1 the design of a standard tooth pages is shown and in Figure 2 is shown the design of a standard tooth. These profiles conform with the tooth form as established by the Annetian Standards Association and approved by the A.S.M.E., A.G.M.A., and the S.A.E. This tooth form is designed to compensate for any normal increases in little due to natural chain wear, therefore insuring maximum efficiency and long life to the drive. The dimensions for Figures 1 and 2 are based on the follow-

ing formulae:
P=Pitch D=Nominal Roller Diameter T=Number of Teeth

R = 0.5025D + 0.0015" E = 1.3025D + 0.0015"

ab = 1.24D B = 18° - $\frac{56^{\circ}}{T}$ A = 35° + $\frac{60^{\circ}}{T}$ A' = 35° - $\frac{120}{T}$

To lay out a tooth space, Fig. 1, first calculate R. E., ab, A. and B. Then draw line XY and mark point "a" at any convenient location. With "a" as center and radius R draw the circular are xx' for the "seating curve." Draw lines axe and x' ac', making angle A with XY. Mark point c and c' so that x = E and $x' \in E$. Draw line cy and c' y, making angle B with cx and c' X. With c and c' as center and radius E draw the "working curves" xy

and x'y'. Draw lines ye and y's' perpendicular to cy and c'y'. Draw lines a ban da'y', making 1807 f' degrees with X'Y. Lay off length ab on these lines to locate b and b'. Uning b and b' as centers draw the "Copping curver" and x's' tangent to sy and x'y'. It is not advisable to cut a tooth having a pointed top. Therefore the blank diameter or outside diameter for less procket is always a small amount under the diameter required for a pointed top. This amount varies as to the size of the tooth and pointed top. This amount varies as 10 as fixed to the considered traw material available. A value of 3 is Fitch is considered standard for diamension by

To lay out a tooth, Fig. 2, first calculate R, E, ab, A' and B. Then proceed in a similar manner as described for Fig. 1.

The pressure angle for new chain is $xab = 35^{\circ} - \frac{120^{\circ}}{70}$

The minimum pressure angle is $abz = 17^{\circ} - \frac{64^{\circ}}{m}$

The average pressure angle is $26^{\circ} - \frac{92^{\circ}}{T}$

The sprocket pitch diameter is sin 180°

PITCH, ROOT AND OUTSIDE DIAMETERS SPROCKETS

% INCH PITCH—NO. RC-35 Roller Diameter = .200" 1/₂ INCH PITCH—NOS. RC-40 AND RC-41 Roller Diam. RC-40 = .312"; RC-41, RC-42 and RSIONS RC-43 = .306"

							DIMER	ISION	5	RC	-43 :	= .3	06"	-	
No. of Teeth	Pitch Diam.	Root Diam.	Out- side Diam.	No. of Teeth	Pitch Diam.	Root Diam.	Out- side Diam.	No. of Teeth	Pitch Diam.	Root Diameter	Out- side Diam.	No. of Teeth	Pitch Diam.	Root Diameter RC-40 PRC-41	
6	.750	.550	.875	79	9.432	9.232	9.650	6	1.000	.688 .694	1.166	79	12.57	12.265 12.271	12.867
7 8	.864	.664	1.004	80 81	9.552 9.671	9.352 9.471	9.770	7 8	1.152	.840 .846 .995 1.001	1.339	80 81	12.73	12.424 12.430 12.583 12.589	13.026
9	1.096	.896	1.255	82	9.790	9.590	10.008	ŝ	1.462	1.150 1.156	1.674	82	13 05	12.74212.748	13 345
10	1.214	1.014	1.379	83	9.910	9.710	10.128	10	1.618	1.306 1.312	1.839	83	13.21	3 12.901 12.907	13.504
11	1.331	1.131	1.502	84	10.029	9.829	10.247	11	1.775	1.463 1.469	2.003	84	13.37	213.06013.066	
12 13	1.449	1.249	1.625	85 86	10.148	9.948	10.367	12 13	1.932	1.620 1.626 1.777 1.783	2.166	85 86	13.53	13.21913.225 13.37813.384	13.822
14	1.685	1.485	1.868	87	10.288	10.187	10.486	14	2.247	1.935 1.941	2.491	87	13.84	13.53713.543	14 141
15	1.804	1.604	1.989	88	10.506	10.306	10.725	15	2.405	2.093 2.099	2 653	88	14.00	313.69613.702	14.300
16	1.922	1.722	2.110	89	10.626	10.426	10.844	16	2.563	2.251 2.257 2.409 2.415	2.814	89	14.16	813.85613.862 714.01514.021	14.459
17	2.041 2.159	1.841	2.231	90 91	10.745	10.545	10.964 11.083	17	2.721	2.409 2.415 2.567 2.573	2.975	90 91	14.32	714.01514.021	14.618
19	2.139	2.078	2.472	92	10.884	10.784	11.203	19	3.038	2 726 2 732	3.297	92	14 64	514 . 174 14 . 180 514 . 333 14 . 339 414 . 492 14 . 498	14 937
20	2.397	2.197	2.593	93	11.103	10.903	11.322	20	3.196	2.884 2.890	3.457	93	14.80	14.49214.498	15.096
21	2.516	2.316	2.713	94	11.222	11.022	11.441	21	3.355	3.043 3.049	3.618	94	[14.96]	3[14.651]14.657	15.255
22 23	2.635	2.435	2.833	95 96	11.342 11.461	11.142 11.261	11.561 11.680	22 23	3.513	3.201 3.207 3.360 3.366	3.778	95 96	15.12	214.81014.816 114.96914.975	15.414
24	2.873	2.673	3.074	97	11.580	11.380	11.800	24	3.831	3 519 3 525	4 098		15 44	15.12815.134	15 733
25	2.992	2.792	3.194	98	11.700	11.500	11.919	25	3.989	3.677 3.683	4.258	98	15.60	015.28815.294	15.892
26 27	3.111	2.911	3.314	99	11.819	11.619	12.038	26	4.148	3.836 3.842 3.995 4.001	4.418		15.75	15.44715.453	16.051
27 28	3.230	3.030	3.434	100	11.938 12.058	11.738 11.858	12.158 12.277	27 28	4.466		4.578	100	16 07	815.60615.612 715.76515.771	16 370
29	3.468	3.268	3.673	102	12.177	11.977	12.397	29	4.625	4.313 4.319	4.898	102	116.23	515.92415.930	16.529
30	3.588	3.388	3.793	103	12.297	12.097	12.519	30	4.783	4.471 4.477	5.057	103	16.39	516.08316.089	16.688
31 32	3.707	3.507	3.913	104 105	12.416	12.216 12.335	12.635 12.755	31 32	4.942 5.101	4.630 4.636 4.789 4.795	5.217	104 105	16.55	516.24316.249 416.40216.408	16.847
33	3.826	3.745	4.152	106	12.655	12.335	12.755	33	5.260	4.948 4.954	5.536	106	16.87	316.56116.567	17 166
34	4.064	3.864	4 272	107	12.774	12.574	12.994	34	5.419	5.107 5.113	5.696	107	17.03	216.72016.726	17.324
35	4.183	3.983	4.392	108	12.893	12.693	13.113	35	5.578	5.266 5.272	5.856		17.19	116 87916 885	17 483
36 37	4.303	4.103	4.511	109 110	13.013 13.132	12.813 12.932	13.232 13.352	36 37	5.737 5.896	5.425 5.431 5.584 5.590	6.015	109 110	17.35	017.03817.044 917.19717.203	17.643 17.803
38	4.541	4.341	4.751	111	13 251	13.051	13.471	38	6.055	5.743 5.749	6.334	111	17.66	17.35717.363	17 961
39	4.660	4.460	4.870	112	13.251 13.371	13.171	13.590	39	6.214	5.902 5.908	6.494	112	17.82	317 51617 522	18 120
40	4.780	4.580	4.990	113	13.490	13.290	13.710	40	6.373	6.061 6.067	6.653	113	17.98	717.67517.681	18.280
41 42	4.899 5.018	4.699 4.818	5.109 5.229	114	13.609 13.729	13.409 13.529	13.829 13.949	41 42	6.532	6.220 6.226 6.379 6.385	6.813	114	18.14	17.83417.840 17.99317.999	18.439
43	5.137	4.937	5.349	116	13.848	13.648	14.068	43	I 6 850	6.538 6.544	7.132	116	18.46	118.15218.158	18.757
44	5.257	5.057	5.468	117	13.968	13.768	14.187	44	7,009	6.697 6.703	7.291	117	18.62	318.31118.317	18.917
45 46	5.376	5.176 5.295	5.588 5.708	118	14.087	13.887 14.006	14.307 14.426	45 46	7.168	6.856 6.862 7.015 7.021	7.451	118	18.78	18.471 18.477	19.076
46	5.614	5.414	5.827	120	14.326	14 126	14.426	47	7.486	7.174 7.180	7.769	120	10 10	18.63018.636 18.78918.795	19.235
48	5.734	5.534	5.946	121	14.445	14.126 14.245	14.665	48	7.645	7.333 7.339	7.927	121			
49	5.853	5.653	6.066	122	14.564	14.364	14.784	49	7.804	7.492 7.498	8.088	122	19.41	19.10719.113	19.713
50 51	5.972 6.091	5.772 5.891	6.186	123 124	14.683 14.803	14.483 14.603	14.904 15.023	50 51	7.963 8.122	7.651 7.657 7.810 7.816	8.247	123 124	19.57	19.26619.272 19.42519.431	19.872
52	6.211	6.011	6.425	125	14.923	14.723	15.143	52	8.281	7.969 7.975	8.566	125	19 89	19.58519.591	20.031
53	6.330	6.130	6.544	126	15.041	14.841	15.260	53	8.440	8.128 8.134	8.725	126			
54	6.449	6.249	6.664	127	15.161	14.962	15.380	54	8.599	8.287 8.293 8.446 8.452	8.885	127	20.21	19.90319.909	20.510
55 56	6.569	6.369	6.783	128 129	15.282 15.401	15.082 15.201	15.500 15.620	55 56	8.758 8.917		9.044 9.203	128 129	20.37	20.06220.068 20.22120.227	20,670
57	6.807	6.607	7.022	130	15.518	15.318	15.740	57	9.076	8.764 8.770	9.363	130	20.69	220.38020.386	20.990
58	6.927	6.727	7.142	131	15.637	15.438	15.860	58	9,236	8.924 8.930	9.522	131	20.85	120 53920 545	21 150
59 60	7.046	6.846	7.261	132 133	15.758 15.878	15.558	15.980 16.100	59 60	9.395 9.554	9.083 9.089 9.242 9.248	9.681	132 133	21.01	20.69820.704 20.85720.863	21.300
61	7.284	7.084	7.500	134	15.878	15.678 15.796	16.220	61	9.554	9.401 9.407	10.000	133	21 32	321 01621 022	21 620
62	7.404	7.204	7.619	135	16.116	15.916	16.340	62	9.872	9.560 9.566	10.159	135	21.48	21.01621.022 721.17521.181 521.33421.340	21.780
63 64	7.523	7.323	7.739	136	16.235	16.035	16.460	63	10.031	9.719 9.725	10.318	136	21.64	21.33421.340	21.940
65	7.762	7.442	7.858	137 138	16.354 16.472	16.154 16.272	16.580 16.690	64 65	10.190	9.878 9.884 10.03710.043	10.478	137 138	21.80	21 . 493 21 . 499 21 . 653 21 . 659	22.100 22.260
66	7.881	7.681	8.097	139	16.593	16.394	16.810	66	10.508	10.19610.2021	10.796	139	122.12	121.81221.818	22.420
67	8.000	7.800	8.217	140	16.711	16.511 16.633	16.930	67	10.667	10.35510.361	10.956	140	22.28	321 971 21 977	22 580
68 69	8.120	7.920 8.039	8.336 8.456	141	16.832 16.952	16.633 16.753	17.050	68 69	10.826	10.51410.520	11.115	141	22.44	22.13022.136 22.28922.295	22.740
70	8.358	8.158	8.456	142	17.072	16.753	17.170 17.290		11 145	10.67410.680 10.83310.839	11 434	142 143	22.60	122.28922.295 122.44822.454	22.900
71	8.478	8.278	8.695	144	17,190	16.990	17.410	71	11.304	10.99210.998	11.593	144	22 92	022 60822 614	23 210
72	8.597	8.397	8.814	145	17.309	17.110	17.530	72	11.463	11.15111.157	11.752	145	23 07	22 76722 773	23 370
73 74	8.716 8.836	8.516	8.934 9.053	146	17.430	17.230	17.650		11.622	11.31011.316	11.911	146	23.23	22.92622.932 323.08623.092	23.530
75	8.836	8.636	9.053	147	17.549 17.669	17.350 17.469	17.770 17.890		$\frac{11.781}{11.940}$	11.46911.475 11.62811.634	12.071 12.230	147	23.39	523.08623.092 723.24522.251	23.690
76	9.074	8.874	9.291	149	17.787	17.588	18,010	76	12 099	11 787 11 793	12.389	149	23.71	23.24523.251 23.40423.410	24.010
77	9.194	8.994	9.411	150	17.906	17.706	18.130	77	12 258	11 94611 952	12 548	150	23.87	23.56323.569	24.170
78	9.313	9.113	9.531		1			78	12.417	12.10512.111	12.708				

78 | 12.417|12.105|12.111|12.708| * Also Root Diameter for RC-42 and RC-43 Sprockets 5/8 INCH PITCH—NOS. RC-50 AND RC-52 Roller Diameter = .400" 3/4 INCH PITCH—NO. RC-60 Roller Diameter = 15/32"

							DIMEN	SIONS							
No. of Teeth	Pitch Diam.	Root Diam.	Out- side Diam	No. of Teeth	Pitch Diam.	Root Diam.	Out- side Diam	No. of Teeth	Pitch Diam.	*Root Diam.	Out- side Diam	No. of	Pitch Diam.	*Root Diam.	Out- side Diam
**************************************	1.4937 1.49	### Reference	1488 1488	767 789 789 880 880 880 880 882 884 885 886 886 886 886 886 887 887 887 887 886 886		### ### ### ### ### ### ### ### ### ##	**************************************	100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1. 750 20 20 20 20 20 20 20 20 20 20 20 20 20	Diam.	**************************************	**************************************	For 19 19 19 19 19 19 19 19 19 19 19 19 19	10 11 11 11 11 11 11 11 11 11 11 11 11 1	1600 000 000 000 000 000 000 000 000 000

ROOT AND OUTSIDE DIAMETERS

1 INCH PITCH—NOS. RC-80 AND RC-101 Roller Diam,—RC-80 = 5/4"; RC-101 = 9/16"

1 1/4 INCH PITCH—NOS. RC-100 and RC-126 Roller Diam.—RC-100 = 3/4"; RC-126 = 5/4"

-	_							Out	SIUN	•		-				out-
No.	Pitch Diam.	Root Diameter	Out-	of	Pitch Diam.	Root Di		side	of		Root Diame				Root Dian	
Teeth		*RC-80 RC-101	Diam.	Teeth		*RC-80		Diam.	Teeth		*RC-100 RC					C-126 Diam.
7	2.000	1.375 1.438	2.332	79 80	25.15	24 . 528 2	4.591	25.733	6	2.500 2.881	1.750 1. 2.131 2.	875 2.9 256 3.3	15 7 46 8	9 31 .441	30.69130	.81632.166 .21432.565
8	2.613		3.014	81	25.471	24 .8462 25 .1652	E 222	26.002	á	3.266	2.516 2	641 3.7	68 8	1 22 22	21 49721	61232.963
9	2.924	2.299 2.362	3.347	82	26 106	25.483	5 646	26.570	å	3.655	2.905 3.	030 4	84 8	22 635	21 88522	.01033.361
10	3 236	2 611 2 674	3.678	83	26 426	25.8012	5 864	27 007	10	4.045	3.295 3.	420 4.5		33 033	32.28332	40833 759
îĭ	3.549	2.924 2.987	4.006		26.744	26.1192	6.182	27 326	ii	4.437		812 5.0	08 8	4 33 430	32.68032	.80534.158
12	3.864	3.239 3.301	4.332	85	27.063	26.4372	6.500	27.644	12	4.830	4.080 4.3	205 5.4	15 8	5 33.828	k33.078k33	. 20334 . 555
13	4.179	3.554 3.616	4.657	86	27.381	26.7562	6.818	27.962	13	5,223	4.473 4.		21 8	6 34,226	133.476133	60134.953
14	4.494	3.869 3.932	4.982	87	27.699	27.0742	7.136	28.281	14	5.617			28 8	7 34.624	33.87433	3.99935.351
15	4.810	4.185 4.247	5.305		28.017	27.3922	7.455	28.599	15	6.012		387 6.6			34.27134	.39635.749
16	5.126	4.501 4.563	5.627	89	28.33	27.7102	7.773	28.918	16	6.407	5.657 5.	782 7.0			34.66934	.79436.148
17	5.442	4.817 4.880 5.134 5.196	5.950 6.271		28.654	28.0292 28.3472	8.091	29.236	17	6.803 7.198	6.053 6.	178 7.4 573 7.8		35.817	35.06735	5.19236.545 5.59036.943
18 19	5.759 6.076	5.451 5.513	6.593	92	20.372	28.6652	0.403	29.554	18 19	7.595	6.448 6.	573 7.8 970 8.2		20.210	06000	.98737.341
20	6.393	5.768 5.830	6.914		29 606	28.983	9 046	30 191	20	7.991	7.241 7.	366 8.6		3 37 010	36.26036	38537 739
21	6 710	6 085 6 147	7 235	94	29 926	29 3012	9 364	30 510	21	8.387	7.637 7.	762 9 0		4 37 408	36 65836	. 78338 . 138
22	7.027	6.402 6.464	7.555	95	30.245	29.6202	9.682	30.828	22	8.783	8.033 8.	158 9.4	44 9			. 181 38 . 535
23	7.344	6.719 6.781	7.875	96	30.563	29.9383	0.000	31.146	23	9.180	8.430 8.	555 9.8	44 9	6 38.203	37.45337	7.57838.933
24	7.661	7.036 7.099	8.196	97	30.881	30.2563	0.319	31.465	24	9.577	8.827 8.	95210.2	45 9	7 [38.60]	37.85137	7.97639.331
25 26 27	7.979	7.354 7.416	8.516	98 99	31.196	30.574	0.637	31.783 32.102	25 26	9.973	9.223 9.	348 10.6		38.995	34.24938	37439.729
26	8.296	7.671 7.734	8.836 9.156		31.836	30.893	1.274	32.102	26	10.370	9.620 9.	74511.0			39.04539	3.77240.128 17040.525
28	8.932	8.307 8.369	9.475		32 154		1.592	32 739	28	11 164	10.41410	52011	44 10	1 40 10	39.44339	56840.924
29	9.249	8.624 8.687	9.795	102	32.473	31.8483	1.910	33.057	29	11.561	10.81110.	93612.2	44 10	2 40.591	39.84139	9.96€41.321
30	9.567	8.942 9.004	10.114	103	32.791	32 1663	2.228	33.376	30	11.958	11.20811.	33312.6	43 10	3 40.989	40.23940	36441.720
31	9.885	9.260 9.322	10.434	104	33.109	32.4843	2.547	33.694	31	12.356	11.60611.	731 13.0	43 10		40.63640	0.76142.118
32	10.202	9.577 9.640		105	33.427	32.8023	2.865	34.012	32	12.753	12.00312.	12813.4	41 10	5 41.784	41.03441	1.15942.515
33 34	10.520	9.895 9.958 10.21310.276	11.072	106	33.746	33 . 121 3	3.183	34.331	33	13.150	12.40012. 12.79712.	52513.8	40 10	42.18	41.43241 41.83041	1.55742.914 1.95543.311
35	11 156	10.53110.593	11 711		34 385	33.757	3 820	24 068	35	13 045	13.19513.	32014	39 10	8 42 975	42 22843	2.35343.710
36		10.84910.911		109	34.701	34.0763	4.138	35.286	36	14.342	13.59213.	71715.0	38 10	9 43 376	42 62642	2.75144.108
37	11.792	11.16711.229	12.349	110	35.019	34.3943	4.456	35.605	37	14 740	13 99014	11515 4	36 11	0 43.774	43.02443	3.14944.506
38	12.110	11.48511.547	12.668	111	35.337	34.7123	4.775	35.923	38	15.137	14.387114	51215.8	35I 11	1 44.17	43.421 43	3.54644.904
39 40	12.428	11.80311.865 12.12112.183	12.987	112 113	35.65	35.0303	5.093	36.241	39	15.534	14.78414. 15.18215.	90916.2	34 11	2 44.56	43.81943	3.94445.301 4.34245.700
41	13.064	12.43912.501	12 625	1114	26 201	35.3493	5 720	36.000	41	16 220	15.57915.	20417	21 11	4 45 265	44 . 21 / 44	74046 009
42	13 382	12.75712.819	13 944	115	36 610	35.985	6 048	37 197	42	16 727	15.97716.	10217	30 ii	45 76	45 01345	.74046.098 5.13846.496
43	13.700	13.07513.137	14.263						43	17.124	16.37416	499[17.3	29 11	6 46.16	45.41145	5.53646.894
44	14.018	13.39313.455	14.582	117	37.247	36.6223	6.684	37.833	44	17.522	16.77216.	897 18.2	281 11	7 46.559	45.80945	5.53646.894 5.93447.291
45	14.336	13.71113.773	14.901	118	37.565	36.9403 37.2583	7.003	38.152	45	17.920	17.17017.	295 18.6	26 11 24 11			5.33247.690 5.72948.088
46	14.654	14.02914.091 14.34714.409	15 538	120	38.201	37.576	7 630	28 788	47	18 715	17.56717. 17.96518.	09219.	23 12	0 47 75	47 00242	12749 485
48	15.290	14.66514.727	15.857	121	38 519	37.894	7 957	30 106	48	19 112	18.36218.	48719	21 12	1 48 149	47 3004	7.12748.485 7.52448.883
49	15.608	14.98315.045	16.176	122	38.837	38.2123	8.275	39.425	49	19.510	18.76018.	885 20.2	20 12	2 48.54	147.797147	.92249.281
50		15.301 15.363		123	39.156	38.5313	8.593	39.743	50	19.908	19.15819.	283 20.0	19 12			3.32049.679
51		15.61915.681		124 125	39.475	38.8503	8.912	40.062	51		19.55519.			49.343	48.59348	3.71850.078
52 53	16 990	15.93715.999 16.25516.318	17.132	126	40 113	39.1693 39.4873	9.231	40.381	52 53	20.703	19.95320. 20.35020.	475 21 4	15 12 14 12	6 50 140	48.99145	9.11650.476 9.51550.880
54	17 198	16.57316.636	17 769	127	40 430	39.8053	9 867	41.020	54	21 498	20.74820.	87322	11 12	7 50 533	49 78740	9.91251.270
55	17.517	16.89216.954	18.088	128	40.748	40.1234	0.185	41.340	55	21.896	21.14621.	271 22.6	10 12	8 50.935	50.18550	31051.670
56	17.835	17.21017.272	18.406	129	41.066	40.4414	0.503	41.650	56	22.293	21.54321.	66823.0	08 12	9 51.332	450.58250	70752.070
57		17.52817.590			41.384	40.7594	0.821	41.970	57		21.94122.	066[23]	06 13	51.730	50.98051	1.10552.470
58 59	18.789	17.84617.909 18.16418.227	19.044	131	42.020	11 305		42.610	58	23.089	22.33922. 22.73622.	464 23 .8	05 13	2 52 525	51 77551	.50252.860 .90053.260
60	19 107	18.48218.545	19 681	133	42.338	41.713	1 775	42.930	60	23 884	23.13423.	25924	oil 13	3 52 922	52 17252	2.29753.660
61	19.426	18.80018.863	20.000	134	12 656	42.0314	2.093	43.240	61	24.282	23.53223.	65725.0	00 13	4 53.320	152.57052	69554 060
62	19.744	19.11919.181	20.318	135	42.975	42.3504	2.412	43.560	62	24.680	23.93024.	055 25.3	98 13	53.719	52.96953	3.09454.450
		19.43719.499			43.290	42 6684 42 9864	2.730	43.880	63	25.077	24.32724.	45225.	96 13	5 54.116	53.36653	3.49154.850 3.88955.250
65	20.380	19.75519.818 20.07320.136	20.955	138	43.011	43.3054	3.048	14 520	65	25.475	24.72524. 25.12325.	24926	94 13	04.514	53.76453	.28755.650
66	21 016	20.39120.454	21.593	139	44.249	43 6244	3.686	44 840	66	26 271	25.52125	64626.5	91 13	9 55 311	54 56154	68656 050
67	21.335	20.71020.772	21.911	140	44.567	43.9424	4.004	45.160	67	26.668	25.91826.	043 27.3	89 14	0 55.709	54.95955	. 08456 . 440
68	21.653	21.02821.091	22.230	141	44.885	44.2604	4.322	45.470	68	27.066	26.31626.	441 27.1	88 14	1 56.106	55.35655	. 481 56 . 840 5 . 879 57 . 240
69	21.971	21.34621.409	22.548	142	45.203	44.5784	4.640	45.790	69	27.464	26.71426.	83928.	85 14	2 56.500	55.75455	.87957.240
70 71	22.289	21.66421.727 21.98222.045	22.867	143	45.521	44.8964	4.958	16.110	70 71	27.862 28.259	27.11227. 27.50927.	23/28.	64 14	56.901	36.15156	.27657.640
72	22 926	22 30122 363	23 504	145	46 158	45 5334	5 595	46 750	71		27.50927.			5 57 603	56 94757	.67558.040 .07258.430
73	23.244	22 61922 681	23.822	146	46.477	45 8524	5.914	47 070	73	29 055	28 30528	430/29 3	78 14	58 096	57 34657	471 58 .830
74	23.562	22.93723.000	24.141	147	46.796	46.1714	6.233	47.390	74	29.453	28.70328.	R2830.1	76 14			
75	23.880	23.25523.318	24.459						75	29.850	29 100/29	225/30 .	74 14	8 58 892	158 14258	26759 630
76	24.198	23.57323.636	24.778	149	47.432	46.8074	6.869	48.020	76	30.248	29.49829.	623 30.9	73 14	59.290	58.54058	. 665 60 . 030
77 78	24 020	23.89223.954 24.21024.272	25.096	150	47.750	47.1254	1.167	18.340	77 78	30.646	29.89630. 30.29430.	02131.3	/U 15	59.687	ps.93759	0.06260.420
		ot Diameters for			and RC	-106 Spro	kets.		. 10	*Also R	oot Diameter	a for No	RC-1	30 and R	C-131 Sproc	keta.

1 $\frac{1}{2}$ INCH PITCH—NOS. RC-120 AND RC-151 Roller Diam.—RC-120 = $\frac{7}{8}$ "; RC-151 = $\frac{3}{4}$ "

1 ¾ INCH PITCH—NO. RC-140 Roller Diam. = 1"

o. of eth	Pitch Diam.	Root Diameter	Out- side Diam,	No. of	Pitch Diam.	Root Dia		Out- side Diam.	No. of Teeth	Pitch Diam.	Root Diam.	Out- side Diam.	No. of Teeth	Pitch Diam.	Root Diam.	Out- side Diam
6	3.000	2.125 2.250	3 498	79	37.730	36 \$553	6 980	38 600	6	3.500	2.500	4.081	79	44.018	43.018	45.03
7	3.457		4.016	80					7	4.033	3.033	4.685	80	44.575	43.575	45.59
8	3.920			81 82	38.684	37.8093 38.2873 38.7643	7.934	39.555	8	4.573	3.573	5.275	81	45.132	44.132	46.14
10	4.854	3.979 4.104	5.517	83	39.10	200.20/3	9 990	40.034	10	5.117	4.117	5.857 6.437	82 83	45.689 46.246	44.689 45.246	46.70
iil	5.324	4.449 4.574	6.009	84	40 116	39.2413	9 366	40 989	iĭ	6,212	5.212	7.011	84	46.802	45.802	47.82
12	5.796	4.921 5.046	6.498	85	40.59	139.7193	9.844	41 466	12	6.762	5.762	7.581	85	47.359	46.359	48.37
13	6.268	5.393 5.518	6.986	86	41.07	40.1964	0.321	41.943	13	7.313	6.313	8.150	86	47.915	46.915	48.93
14	6.741 7.215		7.473	87 88	41.54	\$40.6734	0.798	42.422	14 15	7.864 8.417	6.864 7.417	8.719 9.284	87 88	48.472	47.472	49.49
16	7.689	6.814 6.939	8.441	89	42 50	340 . 6734 541 . 1514 541 . 6284 142 . 1064 542 . 5834 543 . 6604 243 . 5374	1 753	42.099	16	8.970	7.970	9.847	89	49.029 49.586	48.029 48.586	50.04 50.60
17	8, 163	7.288 7.413	8.925	90	42.98	42.1064	2.231	43.854	17	9.524	8.524	10.413	90	50.144	49.144	51.16
18	8.638			91	43.45	42.5834	2.708	44.331	18	10.078	9.078	10.974	91	50.700	49.700	51.73
19 20	9.113		9.890	92 93	43.93	343.0604	3.185	44.810	19 20	10.632	9.632	11.538 12.100	92	51.257	50.257	52.2
21	10.064	9.189 9.314	10.853	94	44.41	44.0144	4 120	45.287	21	11.742	10.187 10.742	12.100	93 94	51.814 52.371	50.814 51.371	52.83 53.35
22	10.540	9.665 9.790	(11.333)	95	45.36	744.4924	4.617	46.242	22	12.297	11 297	13. 221	95	52.928	51.928	53.9
23	1.016	10.141 10.26	11.813	96	45.84	44.9694	5.094	46.719	23	12.852	11.852	13.781	96	53.485	52,485	54.5
24	11.492	10.61710.742	12.294	97	46.32	45.4464	5.571	47.198	24	13.407	12.407	14.343	97	54.042	53.042	55.0
18	12 444	11 560 11 604	12 254	98	40.790	146 4004	6.049	47.675	25 26	13.963 14.518	12.963 13.518	14.903 15.463	98 99	54.599 55.156	53.599 54.156	55.6
26	2 921	12 04612 171	13 734	100	47 75	46 8794	7 004	48 630	27	15.074	14.074	16.023	100	55.713	54.713	56.1 56.7
28	13.397	12.52212.647	14.212	101	48, 23	47.3564	7.481	49.110	28	15.630	14.630	16.581	101	56 270	55.270	57.2
29	13.874	11.09311.218 11.56911.694 12.04612.171 12.52212.647 12.99913.124 13.47513.600	14.693	102	48.709	47.8344	7.956	49.590	29	16.186	15.186	17.141	102	56.827	55.827	57.8
0	4.350	13.47513.600	15.171	103	49.18	348.3114	8.436	50.060	30 31	16.742 17.298	15.742 16.298	17.700 18.260	103 104	57.384	56.384	58.4
2	5 303	14.42814.553	16 130	104	50 14	49.2664	8.914 0.301	51 020	32	17.298	16.298	18.260	104	57.941 58.498	56.941 57.498	58.9 59.5
13	5 780	14 90515 030	ING AND	106	50.619	49.7444	9.869	51 500	33	18.410	17.410	19.376	106	59.055	58.055	60.0
4	16.257	15,38215,507	17.088	107	51.09	49.7444 50.2215	0.346	51.970	34	18.966	17.966	19,936	107	59.612	58.612	60.6
5	16.734	15.85915.984	17.567	108	51.57	350, 6985 151, 1765 351, 6535 352, 1305 352, 6085 153, 0865	0.823	52.540	35	19.523	18.523	20.494	108	60.169	59.169	61.1
7	7 687	16.33616.461 16.81216.937	18 524	110	52.05	51 6525	1.301	52.930	36 37	20.079 20.635	19.079 19.635	21.053 21.611	109 110	60.726 61.283	59.726 60.283	61.7
8	18.164	17.28917.414	19 002	iii	53 00	52 1305	2 255	53 880	38	21.192	20.192	22.169	iii	61.840	60.840	62.3
39	18.641	17,76617,891	19.481	112	53.483	352.6085	2.733	54.360	39	21.748	20 748	22.727	112	62 397	61.397	63.4
10	19.118	18.24318.368	19.959	113	53.96	153.0865	3.211	54.840	40	22.305	21.305	23.286	113	62.954	61.954	63.9
12	19.595	18.72018.845 19.19719.322	20.438	1114	54.43	53.5635 54.0405	3.688	55.320	41 42	22.861 23.418	21.861 22.418	23.844	114	63.511	62.511	64.5
13	20.072	19.674 19.795	20.916	116	55 300	354.5185	4.165	56 270	43	23.418	22.418	24.402	116	64.068	63.068 63.625	65.09
									44	24.531	23.531	25.519	117	65.182	64.182	66.2
15	21.503	20 62820 753 21 10521 230 21 58321 706 22 06022 185 22 53722 66 23 01423 13	22.352	118	56.34	755 . 4725 155 . 9495 156 . 4265 356 . 9035 357 . 3815	5.597	57.230	45	25.087	24.087	26.077	118	65.739	64.739	66.7
16	21.980	21.10521.230	22.829	119	56.824	55.9495	6.074	57.710	46	25.644	24.644	26.663	119	66.296	65.296	67.3
18	22.408	22 06022 185	23.307	120	57 77	106.4260 356 9025	7 028	58 660	48	26.201 26.757 27.314	25.201 25.757	27.192 27.750	120	66.853 67.410	65.853 66.410	67.8
19	23.412	22.53722.662	24. 264	122	58. 25	57 3815	7.506	59 140	49	27.314	26.314	28.308	122	67.967	66.967	68.9
0	23.889	23.01423.139	24.743	123	58.734	57.8595 58.3375	7.984	59.620	50	27.871	26.871	28.866	123	68.524	67.524	69.5
		23.49123.616 23.96824.093				258.3375	8.462	60.090	51	28.427	27.427	29.423	124	69.081	68.081	70.1
					60 16	058.8155 359.2935	8.940	60.570	52 53	28.984 29.541	27.984 28.541	29.981 30.539	125 126	69.639 70.196	68.639 69.196	70.6
4	25.798	24 .923 25 .048	26.654						54	30.097	29.097	31.096	127	70.752	69.752	71.7
5	26.275	25.400 25.525	27.132	128	61.12	260.2476	0.372	62.000	55	30.654	29.654	31.654	128	71.309	70.309	72.3
6	26.752	25.87726.002	27.609	129	61.599	60.7246	0.849	62.480	56	31.211	30.211	32.211	129	71.865	70.865	72.8
8	27 202	24 923 25 048 25 400 25 525 25 877 26 002 26 354 26 479 26 832 26 95	28.088	130	62.076	260 . 2476 960 . 7246 561 . 2016 361 . 6786 962 . 1556	1.326	62.960	57 58	31.768	30.768	32.769	130 131	72.422	71.422 71.978	73.4
9	28 184	27 30927 434	29 045	132	63 030	162 1556	2 280	63 910	59	32.881	31.881	33.885	132	72.978 73.535	72.535	74.0
o :	28.661	27.30927.434 27.78627.911	29.522	133	63.50	62.6326 63.1096	2.757	64.390	60	33.438	32.438	34.442	133	74.091	73.091	75.1
ш	29.138	128.263128.388	30.000	134	63.984	63.1096	3.234	64.870	61	33.995	32.995	35.000	134	74 648	73.648	75.6
3	29.616	28.741 28.866 29.218 29.343	3U.477	135	64 02	263.5876 964.0646	3.712	65.340	62 63	34.551 35.108	33.551 34.108	35.557 36.115	135 136	75.206	74.206	76.2
4	.v.∪30 30 570	29.69529.820	31 433	137	65 416	64.5416	4 666	66 300	64	35.108	34.108	36.115	136	75.763 76.319	74.763 75.319	76.7
5	31.047	30.17230.297	31 911	138	65 80	sies nonie	5 145	66 780	65	36.222	35.222	37.230	138	76.877	75.877	77.9
6	31.525	30.65030.775 31.12731.252	32.390	139	66.373	65.4986 65.9756 66.4526	5.623	67.260	66	36.779	35.779	37.788	139	77.436	76.436	78.4
7	32.002	31.12731.252 31.60431.729	32.867	140	66.850	165.9756	6.100	67.730	67	37.336 37.892	36.336	38.344	140	177.992	76.992	79.0
									68 69	37.892	36.892 37.449	38.903 39.459	141	78.549 79.105	77.549 78.105	79.5 80.1
ŏ	3 434	32.55932.684 33.03633.163 33.51333.638	34.301	143	68.281	67.4066	7.531	69 170	70	39.006	38.006	40.017	143	79 662	78.662	80.6
i	3.911	33.03633.161	34.778	144	68.760	67.8856	8.010	69.640	71	39.563	38.563	40.574	144	80.220	79.220	81.2
2	34.388	33.51333.638	35.256	145	69.237	68.3626	8.487	70.120	72	40,120	39.120	41.132	145	80.776	79.776	81.8
					169.715	368.8406	8.965	70.600	73	40.677	39.677	41.689	146	81.335	80.335	82.3
	5 820	34.46834.593 34.94535.070	36 690	147	70. 194	69.3196 69.7966	9.444	71.080	74 75	41.233	40.233 40.790	42.247 42.803	147 148	81.893 82.449	80.893 81.449	82.9 83.4
6	6.298	35, 42335, 548	37.167	149	71.148	170.2737	0.398	72 030	76	42.347	41.347	43.362	149	183.006	82.006	84.0
7	6.776	35.90036.025	37.644	150	71.625	70.7507	0.875	72.510	77	42,904	41.904	43.918	150	83.562	82.562	84.5
		36.37736.502	138.123	1		1 1			78	43,461	42,461	44.476		1		

ROOT AND OUTSIDE DIAMETERS

2 INCH PITCH—NO. RC-160 Roller Diam. = 1 1/8" 21/2 INCH PITCH—NO. RC-200 Roller Digm. = 1%4"

		ROI	ier Dic	ım. =	1 7/8		DIMEN	ISIONS		Koli	er Dia	m. =	1716		
No. of Teeth	Pitch Diam.	Root Diam.	Out- side Diam.	No. of Teeth	Pitch Diam.	Root Diam.	Out- side Diam.	No. of Teeth	Pitch Diam.	Root Diam.	Out- side	No. of	Pitch Diam.	Root Diam.	Out-
6 7	4.000 4.610	2.875 3.485	4.664 5.354	79 80	50.306 50.943	49.181 49.818	51.466 52.104	6 7	5.000 5.762	3.438	Diam. 5.830	Teeth 79	62,882	61.320	64.33
8	5.226	4.101	6.028	81	51.579	50.454	52.740	8	6.532	4.200	6.693 7.535	80 81	63.677	62.115 62.913	65.13 65.92
10	5.848 6.472	4.723 5.347	6.694 7.356	82 83	52.216 52.852	51.091 51.727	53.378	. 9	7.310	5.748	8.368	82	64.475 65.270	63.708	66,72
11	7.099	5.974	8.012	84	53, 489	52.364	54.014 54.652	10 11	8.090 8.872	6.528 7.310	9.195 10.015	83 84	66.065 66.860	64.503 65.298	67.51 68.31
12	7.727 8.357	6.602	8.664	85	54.125	53.000	55.288	12	9.660	8.098	10,830	85	67,657	66.095	69.11
13 14	8.988	7.232 7.863	9.314	86 87	54.761 55.398	53.637 54.273	55.924 56.562	13 14	10.447	8.885 9.673	11.643 12.455	86 87	68.452	66.890 67.685	69.90. 70.70
15	9.620	8.495	10.610 11.254	88	56.034 56.671	54.909 55.546	57.198	15	12.025	10,463	13.263	88	70.042	68.480	71.49
16 17	10.252 10.885	9.127 9.760	11.254	89 90	57.307	56, 182	57.836 58.472	16 17	12.815 13.605	11.253	14.068 14.875	89 90	70.837 71.635	69.275 70.073	72.29 73.09
18	11,518	10,393	12,542	91	57.944	56.819	59.110	18	14.397	12.043 12.835	15.678	91	72 430	70.868	73.89
19	12.151 12.785	11.026 11.660	13.186 13.828	92 93	58.850 59.216	57.455 58.091	59.750 60.380	19 20	15,190 15,982	13.628 14.420	16.483 17.285	92 93	73.225	71.663 72.458	74.68 75.48
21	13.419	12.294	14,470	94	59.853	58.728	61.020	21	16.775	15.213	18.088	94	74.815	73.253	76.28
22 23	14.053 14.688	12.928 13.563	15.110 15.750	95 96	60.489 61.126	59.364 60.001	61.660	22 23	17.567 18.360	16.005 16.798	18.888 19.688	95 96	75.612 76.407	74.050	77.07
24	15.323	14.198	16.392	97	61.762	60.637	62,930	24	19.152	17.590	20.490	97	77.202	74.845 75.640	77.87 78.66
25 26	15.958 16.593	14.833 15.468	17.032 17.672	98	62.399	61.274	63.570	25	19.947	18.385	21.290	98	77.997	76.435	79.46
27	17.228	16,103	18.312	100	63.672	62.547	64.840	26 27	20.740	19.178 19.973	22.090 22.890	100	78.795 79.590	77.233 78.028	80.26
28	17.863 18.498	16.738	18.950	101	64.309	63.184	65,480	28	21.535 22.330	20.768	23 688	101	80.385	78.823	81.85
29 30	19.134	17.373 18.009	19.590 20.228	102	64.945 65.582	63.820	66.110 66.750	29 30	23.122 23.917	21.560 22.355	24.488 25.285	102 103	81.182 81.977	79.620 80.415	82.64
31	19.769	18.644	20.868	104	66,218	65.093	67.390	31	24,712	23.150	26.085	104	82.772	81.210	84.24
32 33	20.405 21.040	19.280 19.915	21.506 22.144	105 106	66.855 67.491	65.730 66.366	68.030 68.660	32	25.505	23.943 24.738	26.883 27.680	105 106	83.567	82.005 82.803	85.03 85.83
34	21.676	20.551	22.784	107	68.128	67.003	€9,300	34	27.095	25.533	28 480	107	85.160	83.598	86.62
35 36	22.312	21.187	23.422	108	68.765 69.401	67.638 68.276	69.940 70.570	35 36	27.890 28.685	26.328	29.278 30.075	108 109	85,955	84.393	87.42 88.22
37	23.583	22 458	24.698	110	70,038	68.913	71.210	37	29,480	27.123 27.918	30.873	110	86.752 87.547	85.190 85.985	89.01
38 39	24.219	23 094	25.336	111	70.674	69.549	71.850	38	30.275	28.713	31.670	111	88.342	86.780	89.81
40	24.855 25.491 26.127	23.730 24.366	25.974 26.612	112	71.311 71.948	70.186 70.823	72.480 73.120	39 40	31.070	29.508 30.303	32.468 33.265	112	89.137 89.935	87.575 88.373	90.60
41	26.127	25.002 25.638	27.250 27.888	114	72.585 73.221	71,460	73.760	41	32.660	31.098	34.063	114	90.730	89.168	92.20
42 43	26.763 27.399	25.638	28.526	115	73.221	72.096 72.733	74.390 75.030	42	33.455 34.250	31.893 32.688	34.860 35.658	115 116	91.525 92.322	89.963 90.760	92.99
44	28.035	26.910	29.164	117	74.494	73.369	75.670	44	35.045	33 483	36,455	117	93.117	91.555	94.58
45 46	28.671 29.307	27.546 28.182	29.802 30.438	118 119	75.130 75.767	74.005	76.300 76.940	45 46	35.840 36.635	34.278 35.073	37.253 38.048	118 119	93.912 94.707	92.350 93.145	95.38
47	29.943	28.818	31.076	120	76,403	75.278	77.580	47	37.430	35.868	38.845	120	95.502	93.940	96 97
48 49	30.580 31.216	29.455 30.091	31.714	121 122	77.049 77.676	75.924 76.551	78.210 78.850	48 49	38.225	36.663	39.643 40.440	121 122	96.297 97.092	94.735 95.530	97.7
50	31.852	30,727	32,990	123	78.313	77.188	79.490	50	39.815	37.458 38.253	41.238	123	97.890	96.328	98.56 99.36
51 52	32.488	31.363	33.626 34.264	124 125	78.950 79.587	77.825 78.462	80.120 80.760	51	40.610	39.048	42.033	124	98.687	97.125	100.16
53	33.761	32.636	34.902	126	80.224	79.099	81.400	52 53	41.405	39.843 40.638	42.830 43.628	125 126	99.485 100.280	97.923 98.718	100.95 101.75
54 55	34.397 35.033	33.272 33.908	35.538 36.176	127 128	80.860 81.496	79.735	82.040	54 55	42.995	41.433	44.423	127	101.075	99.513	102.5
56	35.669	34.544	36.812	129	82.132	80.371	82.670 83.310	56	43.792 44.587	42.230	45.220 46.015	128 129	101.870 102.665		103.3
57 58	36.306	35, 181	37,450	130	182.768	81.643	83.940	57	45.382	43.820	46.813	130	103.460	101.898	104.93
58 59	36.942 37.578 38.215	35.817 36.453	38.088 38.726	131 132	83.404 84.040	82.279 82.915	84.580 85.220	58 59	46.177 46.972	44.615 45.410	47.610 48.408	131 132	104.255 105.050	102.693	105.7 106.5
60	38.215	37.090	39.362	133	84.676	83.551	85,850	60	47.767	46.205	49.203	133	105.845	104,283	107.31
61 62	38.851	37.726 38.362	40.000 40.636	134 135	85.312 85.950	84.187 84.825	86.490 87.130	61 62	48.565 49.360	47.003 47.798	50.000	134 135	106.640 107.437	105.078	108.11 108.90
63	40.124	38.999	41,274	136	86 586	85.461	87.760	63	50.155	48,593	51.593	136	108,232	106.670	109.7
64 65	40.760	39.635 40.271	41.910 42.548	137 138	87.222 87.860	86.097 86.735	88.400 89.040	64 65	50.950 51.745	49.388 50.183	52.388 53.185	137 138	109.027 109.825	107.465	110.49
66	42.033	40.908	43.186	139	88.498	87.373	89,670	66	52,540	50.978	53.983	139	110.622	109.060	112.09
67 68	42.669 43.306	41.544 42.181	43.822 44.460	140 141	89.134 89.770	88.009 88.645	90.310 90.950	67 68	53.337 54.132	51.775 52.570	54.778	140 141	111,417	109.855	112.88
69	43.942	42.817	145.096	142	90.406	89.281	91.580	69	54.132 54.927 55.722	53.365	55.575 56.370	142	112.125 113.007	111,450	114.47
70 71	44.578 45.215	43.453 44.090	45.734 46.370	143 144	91.042 91.680	89.917 90.555	92.220 92.860	70 71	55.722 56.517	54.160 54.955	57.168	143	113.007 113.802	112.240	115 27
72	45.851	44.726	47.008	145	92.316	91.191	93.490	71	57.315	55.753	57.963 58.760	144 145	115.395		116.0
73	46.488	45.363	47.644	146	92.954	91.829	94.130	73	58.110	56.548	59.555	146	116, 192	114,630	117.66
74 75	47.124 47.760	45.999 46.635	48.282 48.918	147	93.592 94.228	92.467 93.103	94.770 95.410	74 75	58.905 59.700	57.343 58.138	60.353	147	116.990 117.785	115.428	118.46 119.38
76 77	48.397	47.272	49.556	149	94.864	93.739	96.040	76	60.495	58.933	61,945	149	118,580	117.018	120,05
	49.033	47.908 48.545	50.192 50.830	150	95.500	94.375	96.680	77 78	61.292 62.087	59.730 60.525	62,740 63,538	150	119.550	117.988	121.02

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TYPE "B" If bore is increased or hub is keyseated or setscrewed, simply

add the price shown in the tables. LIST PRICES, DIMENSIONS AND WEIGHTS Diam. Length Quantities Key Seat Set Screw PITCH-NO. RC-35 CHAIN (LIST PRICE OF CHAIN \$0.50 PER FOOT) 10 1.014 1.131 1.249 1.367 1.485 1.604 1.722 1.841 1.959 1.379 .10 海洋海洋水 海 XXXXXXXXXXXXXXXXXX 1.625 1.746 1.868 1.989 2.110 В îŝ 1.449 1.449 1.567 1.685 1.804 1.922 2.041 2.159 2.278 .16 .20 .26 .31 .38 .44 .51 .60 .75 .85 .95 1.0 13 14 15 16 17 18 19 20 21 22 24 26 BBBB .95 1.00 1.05 1.10 1.10 .50 .50 BBB 2.078 2.278 2.397 2.516 2.635 2.873 3.111 2.197 2.316 2.435 2.673 2.593 2.713 2.833 1.20 1.25 1.30 $\tilde{\mathbf{B}}$ 1.50 30 32 35 40 45 48 54 60 70 80 96 3.588 3.388 3.793 в 216 216 216 234 234 234 XXXXXX 1.38 1.47 1.81 2.0 1.80 1.90 2.10 100 Cartes Carte 3.826 3.626 3.983 4.580 4.032 1.75 1.00 .80 .70 .60 .50 .45 2 3-4 2.45 4.780 4.990 1.15 5.176 5.588 5.946 2.22 5.376 1 1% 1% 1% 1% 1% 1% 6.449 7.165 8.358 6.664 7.381 8.575 6.249 21/2 21/2 21/2 21/2 23/2 23/2 3.5 3.10 3.50 %%%%%%% %%%%%%%% 134 134 134 134 134 134 2.00 1.00 .60 .50 .45 8.158 4.8 4.00 2 3-4 5-9 .70 9.552 11.461 13.371 9.352 11.261 13.171 9.770 5.8 4.40 1.40 5.25 PITCH-NO. RC 40 CHAIN (LIST PRICE OF CHAIN \$0.70 PER FOOT) 1.150 1.674 100 mm 10 NAME AND ADDRESS OF THE PERSON 11/4 11/4 11/4 11/4 11/4 11/4 21/4 21/4 NANA SANASANA 10 1.775 1.932 2.089 1.463 1.620 1.777 1.935 1.00 1.00 1.05 11 12 13 14 15 16 17 18 2.166 .40 .50 .61 .73 .83 .97 \$1.50 1.10 .90 \$0.70 \$0.60 .50 .45 2 3-4 5-9 .50 11/6 13/6 11/4 15/6 13/6 2.247 2,491 1.05 2.405 2.563 2.721 2.093 2.653 2.814 2.975 1.05 2.251 2.409 2.567 1.10 1.25 1.35 2.879 3.136 1.27 1.60 1.77 1.84 2.0 19 3.038 2.726 3.297 В 3/4 1.60 17/8 11/3/8 11/3/8 11/3/8 11/3/8 11/3/8 11/3/8 11/3/8 3.196 3.355 3.513 2.884 3.043 3.201 3.457 1.80 20 21 22 24 26 30 32 35 40 45 48 54 60 70 80 96 3.618 3.778 4.098 2.05 2.25 2.75 1.00 .80 .70 1.75 1.35 1.15 .60 .50 .45 2 3-4 5-9 3.831 3.519 3.836 4.471 4.789 5.266 4.418 5.057 5.377 4.148 4.783 5.101 2.05 3.00 3.10 3.20 3.40 5.578 5.856 6.373 6.061 6.653 4.4 3.50 **城城城城城** 134 134 134 134 134 134 134 134 134 7.168 7.645 8.599 6.856 7.333 8.287 7.451 4.00 7.927 5.4 6.6 7.4 10.5 11.0 14.0 18.2 1.00 .80 .70 2.00 1.60 1.40 1.30 .60 .50 .45 2 3-4 5-9 9.554 9.242 9.841 5.50 9.554 11.145 12.736 15.281 10.833 12.424 14.969 11.434 13.026 15.573 15/16/16 6.50 7.10 8.50 17.828 17.516 18 120 10.00

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FOR NOS. RC-35, RC-40, RC-41 AND RC-50 ROLLER CHAINS

	<i>)</i> 3. i	(C-2	,,,		,			~!`	<u> </u>		<u> </u>		: K (
						PRICES	DIMEN		AND WEI	GHTS				st Price o	/ Pt
Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Type of Sprocket	Stock	Max.	Number	Hub Diam.	Length	Weight,	Price,	Quantities	Sprock	et for	
leetn	1/2	' PITC				CHAIR		_	ICE OF	CHA		36 PER		Key Seat	setacre
9	1.462	1 156										JO PER	roc	,,,	1
10 11 12 13 14 15 16 17	1.618 1.775 1.932 2.089 2.247 2.405 2.563 2.721 2.879	1.312 1.469 1.626 1.783 1.941 2.099 2.257 2.415 2.573	1.674 1.839 2.003 2.166 2.329 2.491 2.653 2.814 2.975 3.136	B B B B B B B B B B B B B B B B B B B	Kududududududududud	13/4 13/4 13/4 13/4 13/4 13/4 13/4		11/6 11/6 11/6 11/6 11/6 11/6 12/6 21/6 21	National Control of the Control of t	.17 .24 .29 .39 .48 .59 .71 .81 .94	\$0.80 .85 .90 .90 .95 .95 .95 1.00 1.15 1.25	1 2 3-4 5-9	\$1.50 1.10 .90 .80	\$0.70 .50 .45 .40	\$0.60 .50 .45 .40
19 20 21 22 24 26 30 32 35	3.038 3.196 3.355 3.513 3.831 4.148 4.783 5.101 5.578	2.732 2.890 3.049 3.207 3.525 3.842 4.477 4.795 5.272	3.297 3.457 3.618 3.778 4.098 4.418 5.057 5.377 5.856	B B B B B B B B B	5/6 5/6 5/6 5/6 5/6 5/6 5/6 5/6 5/6 5/6	1% 1% 1% 1% 1% 1% 1%		256 256 254 254 254 254 254 254 254 254 254 254	1 1 1 1 1 1 1 1	1.23 1.68 1.74 1.78 1.92 2.03 2.32 2.46 3.23	1.45 1.65 1.85 2.05 2.50 2.80 2.90 3.00 3.20	1 2 3-4 5-9	1.75 1.35 1.15 1.05	1.00 .80 .70 .60	.60 .50 .45 .40
40 45 48 54 60 70 80 96 112	6.373 7.168 7.645 8.599 9.554 11.145 12.736 15.281 17.828	6.067 6.862 7.339 8.293 9.248 10.839 12.430 14.975 17.522	6.653 7.451 7.927 8.885 9.841 11.434 13.026 15.573 18.120	000000000	15/6 15/6 15/6 15/6 15/6 15/6 15/6 15/6	11/4 11/4 11/6 11/6 11/6 11/6 11/6 11/6		234 234 234 234 234 234 3 3 3	134 134 134 134 134 134 134 134	4.85 5.40 5.78 6.40 7.43 11.74 14.66 17.50 21.00	2.85 3.05 3.20 3.50 4.25 5.00 5.60 6.75 7.85	1 2 3-4 5-9	2.00 1.60 1.40 1.30	1.00 .80 .70 .60	.60 .50 .45 .40
	5/8	PITC	H-N	O. RC	-50 (HAIR	(LIS	T PR	ICE OF	CHAI	N \$0.	74 PEF	FOC	T)	
9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 26	1.827 2.023 2.219 2.415 2.612 2.809 3.006 3.204 3.401 3.599 3.797 3.995 4.194 4.392 4.788 5.185	1.427 1.623 1.819 2.015 2.212 2.409 2.606 2.804 3.011 3.397 3.595 3.794 4.388 4.785	2.092 2.299 2.504 2.708 2.911 3.114 3.316 3.517 3.719 3.919 4.121 4.321 4.522 4.722 5.123 5.523	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		13/6 13/6 15/6 15/6 11/6 11/6 11/6 11/6 11/6 11		11/4 11/4 11/4 11/4 20/4 20/4 20/4 20/4 31/4 31/4 31/4 31/4 31/4 31/4 31/4	111111111111111111111111111111111111111	.30 .40 .57 .73 .91 1.10 1.32 1.55 1.81 2.07 2.34 2.58 2.89 2.93 3.1 3.5	\$ 1.50 1.60 1.70 1.70 1.80 1.80 2.00 2.25 2.70 2.90 3.10 3.30 3.80 4.10	1 2 3-4 5-9	\$1.75 1.35 1.15 1.05	\$1.00 .80 .70 .60	\$0.60 .50 .45 .40
30 30 32 32 35 40 40 45 45 48 54 60 70 70 80 80 96 96 96 112	5.979 5.979 6.376 6.376 6.972 7.966 7.966 9.556 9.556 10.749 11.942 13.931 13.931 13.931 15.920 15.920 19.102 22.285	5.579 5.579 5.976 6.572 7.566 7.566 8.560 8.560 9.156 9.156 9.154 11.542 11.542 11.542 11.5520 15.520 15.520 18.702 21.885 21.885	6.321 6.321 6.721 7.319 8.316 8.316 8.313 9.313 9.911 11.106 11.2306 11.2306 14.292 14.292 16.283 16.283 19.466 22.651	000000000000000000000000000000000000000	15/6 15/6	11/4/16 11/4/1	121212121212121212121212	234 234 2324 2324 2324 2324 2324 2324 2	202222222222222222222222222222222222222	3.6 4.1 4.8 4.2 5.2 5.9 5.6 6.6 7.3 9.4 10.9 14.8 16.5 17 18 22.5 23 26 27.3	2.75 2.75 3.25 3.25 3.75 4.25 4.70 4.70 5.00 5.75 6.50 7.75 7.75 9.00 9.00 14.00 14.00 16.00	1 2 3-4 5-9	2.00 1.60 1.40 1.30	1.00 .80 .70 .60	.60 .50 .45 .40

Quantity Extra Charges apply only upon sprockets of specifications identical in every respect.

(ADDITIONAL STOCK SINGLE WIDTH SPROCKETS ON NEXT PAGE)

SINGLE WIDTH SPROCKETS (FROM STOCK)

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Standard stock bored sprockets are shown in the list prices. If bore is increased or hub is keyseated or setscrewed, simply add the price shown in the tables.

Hari	TYPE "B"	ide	the p	orice sh									Hub	YPE "C on Both	Sides
	, o oim u			_		_	DIMEN	_	AND WI	IGHTS		444.70-		st Price o	
Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Type of Sprocket		ore		Hub		Weight,	Price,		Sprock	et for	f each
					Stock	Max.	Number	Diam.	Length			Quantities		Key Seat	Screw
9/4	ITCH-						e of C					\$0.90	; Cot	ter \$1	.00)
9 10 11 12 13 14 15 16 17 18 19 20 21	2.193 2.427 2.662 2.898 3.134 3.371 3.607 3.844 4.082 4.319 4.557 4.794 5.032	1.724 1.958 2.193 2.429 2.665 2.902 3.139 3.376 3.613 3.850 4.088 4.326 4.563	2.510 2.759 3.005 3.249 3.737 3.979 4.220 4.463 4.703 4.945 5.426	***************************************		1 11 12 12 12 12 12 12 12 12 12 12 12 12		13/6 13/6 11/6 23/6 23/6 23/6 23/6 23/6 33/6 33/6 33		.55 .79 1.04 1.34 1.67 1.84 2.23 2.69 3.13 3.35 3.9 4.08	\$ 1.60 1.70 1.90 2.00 2.20 2.40 2.50 3.00 3.25 3.40 3.70 4.00	1 2 3-4 5-9	\$1.75 1.35 1.15 1.05	\$1.00 .80 .70 .60	\$0.60 .50 .45 .40
22 24 26	5.270 5.746 6.222	4.801 5.277 5.753	5.666 6.147 6.627	B B B		21/8 21/8 23/6		35/6 35/6 35/6	11/4 11/4 11/4	4.36 5.68 4.84	4.90 5.75 6.40				
30 32 32 35 35 40 40 45 45	7.175 7.175 7.652 7.652 8.367 8.367 9.559 9.559 10.752 10.752	6.706 6.706 7.183 7.183 7.898 7.898 9.090 9.090 10.283 10.283	7.586 7.586 8.065 8.065 8.783 8.783 9.980 9.980 11.176 11.176	0000000000	13/6 13/6 13/6 13/6 13/6 13/6 13/6 13/6	11/2 28/4 28/4 28/4 28/4 28/4 28/4 28/4 28	1 2 1 2 1 2 1 2 1 2 1 2	21/4 21/4 21/4 21/4 21/4 21/4 21/4 31/4 4	214 214 214 214 214 214 214 215 215	6.6 7.2 7.2 7.7 7.3 8.4 9.4 10.2 12.4 13.3	4.50 4.50 5.00 5.00 5.50 6.00 6.00 7.00	1 2 3-4 5-9	2.00 1.60 1.40 1.30	1.00 .80 .70 .60	.60 .50 .45 .40
48 48 54 54 60 60 70 70 80 80 96 96 112 112	11.467 11.467 12.899 12.899 14.331 14.331 16.717 16.717 19.103 19.103 22.922 22.922 26.742 26.742	10.999 10.999 12.430 12.430 13.862 13.862 16.248 16.248 18.635 18.635 22.453 22.453 26.273 26.273	11.893 11.893 13.327 13.327 14.761 14.761 17.150 17.150 19.539 19.539 23.360 23.360 27.181 27.181	00000000000000	13/6 13/6 13/6 13/6 13/6 13/6 13/6 13/6	134 276 134 276 134 276 134 276 134 276 276 276 276 276 276 276 276 276 276	1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	31/4 4 31/4 4 31/4 4 31/4 4 31/4 4 41/4 33/4 41/4		12.8 14.8 14.5 17.0 18.3 22.6 23.3 25.5 28.3 37.7 39.3 48.0 49.0	7.35 8.70 8.70 10.00 13.00 13.00 15.00 15.00 18.00 20.00 20.00	1 2 3-4 5-9	2.20 1.80 1.60 1.50	1.00 .80 .70 .60	.60 .50 .45 .40
1" PI	тсн—		C-80 (CHAIN			e of C	Chain	Per F			\$1.60	; Cot	ter \$1	.70)
11 12 13 14 15	3.549 3.864 4.179 4.494 4.810	2.924 3.239 3.554 3.869 4.185	4.006 4.332 4.657 4.982 5.305	B B B B	13/16 15/16 15/16 15/16	11/6 18/4 2 21/4 21/2		21/2 218/6 31/8 318/6 313/6	13/8 13/8 13/8 13/8 13/8	2.25 2.81 3.12 4.0 4.57	\$ 2.50 2.70 2.90 3.20 3.30	1 2 3-4 5-9	\$2.00 1.60 1.40 1.30	\$1.00 .80 .70 .60	\$0.60 .50 .45 .40
16 17 18 19	5.126 5.442 5.759 6.076	4.501 4.817 5.134 5.451	5.627 5.960 6.271 6.593	B B B	15/16 15/16 15/16 15/16	23/6 23/6 23/6 23/6		3¾ 3¾ 3¾ 3¾	15% 15% 15% 15% 15%	5.68 6.07 6.8 7.0	3.70 4.20 4.70 5.40	1 2 3-4 5-9	2.10 1.70 1.50 1.40	1.00 .80 .70 .60	.60 .50 .45 .40
26 26 35 35 45 45	8.296 8.296 11.156 11.156 14.336 14.336	7.671 7.671 10.531 10.531 13.711 13.711	8.836 8.836 11.711 11.711 14.901 14.901	000000	13/6 113/6 13/6 13/6 23/6	1% 21% 1% 21% 21% 2	1 2 1 2 1 2	31/4 31/4 4 31/4 41/2	21/2 21/2 21/2 21/2 3	10.3 12.0 14.5 17.3 22.0 22.6	6.00 6.00 7.70 7.70 10.70 10.70	1 2 3-4 5-9	2.20 1.80 1.60 1.50	1.20 1.00 .90 .80	.60 .50 .45 .40
60 60 70 70 80 80	19.107 19.107 22.289 22.289 25.471 25.471 uentity Ex	18.482 18.482 21.664 21.664 24.846 24.846	19.681 19.681 22.867 22.867 26.052 26.052	000000	136 236 136 286 176 286	2 21/4 21/4 21/4 21/4 21/4	1 2 1 2 1 2	3¾ 4½ 4¼ 5 4¼ 5	3 3 3 3 3 3 3 3 3 4 3 3	32.5 33.8 48.0 50.0 56.0 58.0	14.90 14.90 18.10 18.10 22.50 22.50	1 2 3-4 5-9	2.50 2.10 1.90 1.80	1.20 1.00 .90 .80	.80 .70 .65 .60

OTHER STOCK SINGLE WIDTH SPROCKETS LISTED ON PRECEDING PAGES

					LIST	PRICES,	DIMEN	SIONS	AND WE	EIGHTS					
Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Type of Sprocket	Stock	lore		Hub		Weight,	Price,		Sproci	cet for	
Teetn	1 1/4"	PITCH			100	CHAI		Diam.	RICE (OF CH	AIN S		PER F		oet ourew
11	4 437	3.687	5.008	В					117	3.9	\$ 3,30				
12 13	4.830 5.223	4.080 4.473	5.415 5.821	B	136 136 136 136 136 136	256 256 256 256 256 256 256		31% 313% 313%	134	4.67 5.82	3.70 4.50				
14 15	5.617 6.012	4.867	6.228 6.631	B	13%	29%		4	134	7.58 8.02	5.40 6.00	1 2	\$2.20 1.80 1.60 1.50	\$1.00 .80 .70	\$0.75 .65 .55 .50
16	6.407	5.262 5.657	7.034	В	13%	25%		4	134	9.0	6.70	3-4 5-9	1.60	.70	.55
17 18	6.803 7.198	6.053 6.448	7.438 7.839	B	13/6	29%		4	134	9.76	7.50 8.20				
19	7.595	6.845	8.241	В		23%		4		12.22	8.90	i			
26 26	10.370 10.370	9.620 9.620	11.045 11.045	c	13%	211/4	1 2 1 2	334	3	18.8 19.5	10.00 10.00	١.			
35 35	13.945 13.945	13.195	14.639 14.639	ç	13%	211/4	1	434	31/4	24.9 28.4	13.90 13.90	1 2	2.50 2.10 1.90 1.80	1.20 1.00 .90 .80	.75 .65 .55
45	17.920	17.170	18.626	0000	21/6 13/6 21/6 11/6 21/6	2	î	4	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	40.0	18.20	3-4 5-9	1.80	.80	.50
45 60	17.920	17.170	18.626 24.601		23/6	211/6	2	5	31/2	41.5 60.0	18.20 26.80		3.50	1.50	1.00
70 80	23.884 27.862 31.839	23.134 27.112 31.089	28.584 32.565	CCC	11/6 11/6 11/6	211/6 215/6 215/6		53/2	31/4	78.0	31.70	3-4	3.50 2.90 2.60 2.40	1.35 1.15 1.00	1.00 .90 .80 .70
_80	11/2"	PITCH				CHAI	N (L	5½ IST P	RICE	102.0 OF CH	36.40		PER F		.76
11	5.324	4.449	6.009	В				31/4		7.75	\$ 6.40	1	-	1	_
12 13	5.796 6.268	4.921 5.393	6.498 6.986	B	176	2% 2% 2% 2% 2% 2% 2% 2% 2%		414 414 414 414 414 414 414	2	9.66	7.00 7.90			1	ļ
14	6.741 7.215	5.866	7.473 7.958	В	1%	294		41/4	214	12.8	8.90	1 2	\$2.50	\$1.20	\$0.50
15 16	7.689	6.340 6.814	8.441	B	172	234		414	232	14.15 15.75	10.10 11.40	3-4 5-9	\$2.50 2.10 1.90 1.80	\$1.20 1.00 .90 .80	\$0.90 .80 .75 .70
17 18	8.163 8.638	7.288 7.763	8.925 9.407	B	17/6	234		41/4	214 214 214 214 236 236 236 236	17.0 18.5	12.70 14.00				
19	9.113	8.238	9.890	В	13%	234			23%	20.25	15.20	}			
26 35	12.444	11.569 15.859	13.254 17.567	CCC	11/6 11/6 11/6	215/6 215/6 215/6		51/	31/4 31/2 33/4	33.0 49.0	16.00 21.00	1 2 3-4 5-9	3.00 2.50 2.20 2.00	1.80 1.60 1.40 1.20	1.00 .90 .80 .70
45	16.734 21.503	20.628	22.352	č	115%	215/16		51/4 51/2	334	68.0	26.50	5-9	2.20	1.20	.70
60 70	28.661 33.434	27.786 32.559	29.522 34.301	ç	115% 115% 115%	37/4		6	414	114.0 130.0	36.00 43.50	3-4 5-9	4.00 3.50 3.10	2.00 1.80 1.60	1.00 .90 .80 .70
80	38.207	37.332	39.078	C		3/16	I	61/4	414	168.0	52.00		2.80	1.40	.70
-11	1 3/4" 6.212	PITCH 5.212	1-NO	RC.	140	CHA	N (L		RICE 23%	OF CH	AIN \$	3.00	PER F	OOT)	
12	6.762	5.762	7.581	B	116 116 115 115 115 115 115 115 115 115			414 434 434	23%	14.75	9.50				
13 14	7.313 7.864	6.313	8.150 8.719	B	115%	31/2		4%	236	15.25 17.0	11.00 12.50		\$2.70	\$1.70	\$0.50
15 16	8.417 8.970	7.417	9.284 9.847	B	115%	312			213	19.0	14.00 15.70	3-4	\$2.70 2.30 2.00 1.80	\$1.70 1.50 1.30 1.10	\$0.90 .80 .75 .70
17	9.524	8.524	10.413	В	115%	31/6		514	212	23.0 25.0	17.50	5-9	1.80	1.10	.70
18 19	10.078	9.078	10.974	B	115%	31/16 31/16 31/16		51/ 51/ 51/ 51/	236 236 236 237 237 237 237 237 237 237 237 237 237	27.0 29.0	19.00 20.50	1			
26	14.518	13.518	15.463	ç	115/6	31/16		5%	31/2 33/4	44.0	18.50	1	3.00 2.50 2.20	2.00	1.00
35 45	19.523 25.087	18.523 24.087	20.494 26.077	8	115/6 115/6 115/6	3½ 3½ 3½ 3½		5¾ 5¾ 6¾	334	70.0 110.0	25.00 33.00	14	2.20	2.00 1.80 1.60 1.40	1.00 .90 .80 .70
60 70	33.438 39.006	32.438 38.006	34.442 40.017	c	115 % 27 % 27 %	315/6		63/4	414	160.0	47 00 57.00	1 2	4.00 3.30 2.90 2.60	2.40	1.40
80	44.575	43.575	45.591	č_	23%	315/16		7	5 2	218.0 272.0	68.00	3-4 5-9	2.90 2.60	1.80 1.60	1.10
		PITCH-	-NO.	RC-1		CHAIR	(LI			F CHA		.60 P	ER FO	OT)	
11	7.099 7.727	5.974	8.012 8.664	B	21/6 21/6 21/6 21/6 21/6 21/6 21/6 21/6	3% 3%		514	214 214 214 214 214 214 214 214 214 214	15.0 18.0	\$11.00 12.50				
12 13 14	8.357 8.988	7.232 7.863	9.314 9.964	B	21/6	37/4		514 514	212	21.5 24.5	14.00 16.50	١.	\$3.00	\$2.00	\$1.00
15 16	9.620	8.495	10.610	B	23/6	37.8 37.8 31.8 31.8 31.8 31.8		6	213	30.0	18.50	1 2 3-4 5-9	\$3.00 2.50 2.20 2.00	\$2.00 1.80 1.60 1.40	.90 .80
17	10.252 10.885	9.127 9.760	11.254 11.900	B	21/4	315/6		6	234	35.0 36.0	20.50 23.00	5-9	2.00	1.40	.70
18 19	11.518 12.151	10.393 11.026	12.542 13.186	B	27/8 27/8	315/6		6	23%	41.5 45.0	25.50 28.00				
26	16.593	15.468	17.672	c	23/4	315%		634	4	70.0	25.50	1	4.50	2.40	1.20
35 45	22.312 28.671	21.187 27.546	23.422 29.802	č	27/4	436		6% 71% 71%	414	120.0 164.0	36.00 50.00	3-4 5-9	4.50 3.70 3.30 3.00	2.40 2.10 1.80 1.60	1.20 1.00 .90 .80
60	38.215	37.090	39.362	č	27/16 215/16	41/6		71/2 71/2	5	255.0	78.00	1	5.00	2.50	1.40
70 80	44.578 50.943	43.453 49.818	45.734 52.104	C		47/6 47/6 47/6		734	51/2	300.0 376.0	96.50 116.00	3-4	5.00 4.20 3.80 3.50	2.50 2.20 1.90 1.70	1.40 1.20 1.10 1.00
	Quantity E	atra Charg	es apply on	ly upon a	prockets	of specifi	rations id	entical in	every res	pect.					, 2.00
ST	OCK D	OUBLE	s AND	TRIF	TR M	IDTH	SPRO	CKE	12 ON	FOLL	OWING	PAGI	SS		

DOUBLE WIDTH SPROCKETS (FROM STOCK)

standard stock prices. If bore is screwed, simply

Standard stock bored sprockets are shown in the list prices. If bore is increased or hub is keyseated or setscrewed, simply add the price shown in the tables.



Hu	PE "B" b One Side	S	crewed,	simply		-	e shows		e table		TYPE "	C"
							IMENSIONS					
Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Type		Bore	Hub Length	Price,			e of Each Sp	_
				Sprocket	Stock	Max.		_	Quantities	Rebore	Key Seat	Set Screw
		CH-N					RICE O		N \$1.1	O PER	FOOT	
15 16 17 18 19 21 23 25 30 36 42	1.804 1.922 2.041 2.159 2.278 2.516 2.754 2.992 3.588 4.303 5.018	1.604 1.722 1.841 1.959 2.078 2.316 2.554 2.792 3.388 4.103 4.818	1.989 2.110 2.231 2.352 2.472 2.713 2.953 3.194 3.793 4.511 5.229	B B B B B B B B	KICKIKKIKIKK	13/6 15/6 1 11/6 13/6 13/6 13/6 11/6 11/6 11/6	11/4 11/4 11/4 11/4 13/4 13/6 13/6 13/6 13/6 13/6	\$ 1.50 1.65 1.75 1.85 2.10 2.30 2.50 3.00 3.60 4.20	1 2 3-4 5-9	\$1.50 1.10 .90 .80	\$0.70 .50 .45 .40	\$0.60 .50 .45 .40
48 52 60 68 76 84 95 102 119	5.734 6.211 7.165 8.120 9.074 10.029 11.342 12.177 14.206	5.534 6.011 6.965 7.920 8.874 9.829 11.142 11.977 14.006	5.946 6.425 7.381 8.336 9.291 10.247 11.561 12.397 14.426	000000000	11 11 11 11	1156 1156 1156 1156 1156 1156 1156 1156	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3.50 4.00 4.50 5.20 5.80 6.30 7.20 8.70 11.00	1 2 3-4 5-9	2.00 1.60 1.40 1.30	1.00 .80 .70 .60	.60 .50 .45 .40
1	/2" PIT	CH-N	O. RC-	D40 C	HAIN	(LIST P	RICE O	F CHAI	N \$1.5	4 PER	FOOT	
15 16 17 18 19	2.405 2.563 2.721 2.879 3.038	2.093 2.251 2.409 2.567 2.726	2.653 2.814 2.975 3.136 3.297	B B B B	74.74.74	13/6 11/4 13/6 13/8 13/6	11/2 11/2 11/2 11/2 11/2 11/2	\$ 2.50 2.50 2.60 2.75 2.90	1 2 3-4 5-9	\$1.50 1.10 .90 .80	\$0.70 .50 .45 .40	\$0.60 .50 .45 .40
21 23 25 30	3.355 3.672 3.989 4.783	3.043 3.360 3.677 4.471	3.618 3.938 4.258 5.057	B B B	XX	113/6 113/6 113/6 113/6	15% 15% 15% 15%	3.40 3.70 4.30 4.50	1 2 3-4 5-9	1.75 1.35 1.15 1.05	1.00 .80 .70 .60	.60 .50 .45 .40
36 42 48 52 60	5.737 6.691 7.645 8.281 9.554	5.425 6.379 7.333 7.969 9.242	6.015 6.972 7.927 8.566 9.841	00000	78 15/16 15/16 15/16 15/16	23/6 23/6 23/6 23/6 23/6	15/6 23/6 21/6 23/6 23/6 21/6	4.50 5.20 6.00 7.00 8.00	1 2 3-4 5-9	2.00 1.60 1.40 1.30	1.00 .80 .70 .60	.60 .50 .45 .40
68 76 84 95 102 119	10.826 12.099 13.372 15.122 16.236 18.942	10.514 11.787 13.060 14.810 15.924 18.630	11.115 12.389 13.663 15.414 16.529 19.235	000000	13/6 13/6 13/6 13/6 13/6 13/6	23 fs 23 fs 23 fs 23 fs 23 fs 23 fs 23 fs	256 256 256 256 256 256	8.80 9.60 11.00 13.00 14.20 17.50	1 2 3-4 5-9	2.00 1.60 1.40 1.30	1.15 .95 .85 .75	.85 .75 .70 .65
- 1	/8" PIT	CH-N	O. RC-	D50 C	HAIN		RICE O	F CHAI	N \$1.7	6 PER	FOOT)
15 16 17 18 19 21 25 30	3.006 3.204 3.401 3.599 3.797 4.194 4.987 5.979	2.606 2.804 3.001 3.199 3.397 3.794 4.587 5.579	3.316 3.517 3.719 3.919 4.121 4.522 5.323 6.321	B B B B B B	1 1 1 1 1	19/6 110/6 13/4 13/4 11/6 21/4 21/4 21/4	1% 1% 1% 1% 1% 1% 1%	\$ 2.90 3.10 3.20 3.40 3.50 3.80 4.70 6.40	1 2 3-4 5-9	\$1.90 1.50 1.30 1.20	\$1.00 .80 .70 .60	\$0.60 .50 .45 .40
36 42 52 68	7.171 8.363 10.351 13.533	6.771 7.963 9.951 13.133	7.519 8.715 10.708 13.894	cccc	13/6 13/6 13/6 13/6	234 234 234 234	21/2 21/2 23/4 3	7.30 8.40 10.00 13.20	1 2 3-4 5-9	2.20 1.80 1.60 1.50	1.00 .80 .70 .60	.60 .50 .45 .40
76 95 102 119	15.124 18.903 20.295 23.677	14.724 18.503 19.895 23.277	15.486 19.268 20.661 24.038	0000	15/6 15/6 15/6 15/6	23/6 23/6 23/6 23/6 21/6	3 31/4 31/4 31/4 every respec	14.80 19.00 21.00 24.80	1 2 3-4 5-9	2.20 1.80 1.60 1.50	1.15 .95 .85 .75	.85 .75 .70 .65

FOR NOS. RC-D35, RC-D40, RC-D50, RC-D60, RC-D80 AND RC-D100 CHAINS

Number	Pitch	Root	Outside	Type		Bore	Hub	Price,	Add Extra	s to List Pri	e of Each S	procket fo
of Teeth	Diam.	Diam.	Diam.	of Sprocket	Stock	Max.	Length	each	Quantities	Rebore	Key Seat	Set Scr
	3/4" PIT	CH-N	O. RC-	D60 C	HAIN	(LIST		OF CHA	IN \$2.2	O PER	FOOT)
13 14 15 16 17	3.134 3.371 3.607 3.844 4.082	2.665 2.902 3.139 3.376 3.613	3.493 3.737 3.979 4.220 4.463	B B B B	1 1 1 1	13/2 113/6 113/6 23/8 23/6	21/8 21/8 21/8 21/8 21/8 21/8	\$ 3.10 3.40 3.60 3.90 4.10	1 2 3-4 5-9	\$2.00 1.60 1.40 1.30	\$1.00 .80 .70 .60	\$0.60 .50 .45 .40
18 19 21 25 30	4.319 4.557 5.032 5.984 7.175	3.850 4.088 4.563 5.515 6.706	4.703 4.945 5.426 6.387 7.586	B B B B	1 1 1 1	23/6 23/6 23/6 23/6 23/6 23/6	21/8 21/8 21/8 21/8 21/8	4.40 4.70 5.20 6.80 9.00	1 2 3-4 5-9	2.25 1.85 1.65 1.55	1.00 .80 .70 .60	.60 .50 .45 .40
36 42 52 68 76 95	8.605 10.036 12.422 16.240 18.149 22.683	8.137 9.567 11.953 15.771 17.680 22.214	9.023 10.458 12.849 16.673 18.584 23.121	000000	15% 15% 17% 17% 17% 111%	211/6 211/6 211/6 211/6 211/6 211/6	23/4 3 3 3 3 3 3 3/2	9.50 11.00 13.70 18.50 22.20 29.20	1 2 3-4 5-9	2.40 2.00 1.80 1.70	1.20 1.00 .90 .80	.85 .75 .70 .65
	1" PIT	CH-N	O. RC-	D80 CI	HAIN	(LIST	PRICE C	F CHA	N \$3.7	4 PER	FOOT)	
13 14 15	4.179 4.494 4.810	3.554 3.869 4.185	4.657 4.982 5.305	B B B	1 1 1	2 214 212	214 212 212 212	\$ 5.20 5.50 5.90	1 2 3-4 5-9	\$2.30 1.90 1.70 1.60	\$1.25 1.05 .95 .85	\$0.90 .80 .7 .70
16 17 18 19 25	5.126 5.442 5.759 6.076 7.979	4.501 4.817 5.134 5.451 7.354	5.627 5.950 6.271 6.593 8.516	B B B B	1 1 1 1	2¾ 2¾ 3 3 3	234 234 234 234 234	6.50 7.10 7.80 8.50 12.80	1 2 3-4 5-9	2.40 2.00 1.80 1.70	1.25 1.05 .95 .85	.90 .80 .75
30 36 42 52	9.567 11.474 13.382 16.562	8.942 10.849 12.757 15.937	10.114 12.030 13.944 17.132	ccc	17/6 17/6 17/6 17/6	3 3 3 3	314 314 334 334	12.90 15.70 18.50 23.50	1 2 3-4 5-9	2.80 2.40 2.20 2.10	1.50 1.30 1.20 1.10	1.20 1.10 1.05 1.00
68 76 95	21.653 24.198 30.245	21.028 23.573 29.620	22.230 24.778 30.828	c c c	115% 115% 115%	3¼ 3¼ 3¼	4 4 41⁄4	33.70 38.70 52.50	1 2 3-4 5-9	3.30 2.90 2.70 2.60	1.80 1.60 1.50 1.40	1.40 1.30 1.25 1.20
1	1/4" PI	тсн—і	NO. RC	-D100	CHAII	N (LIS	T PRICE	OF CH	AIN \$4.	40 PEI	R FOO1	(1
11 12 13 14 15 16 17 18	4.437 4.830 5.223 5.617 6.012 6.407 6.803 7.198 7.595	3.687 4.080 4.473 4.867 5.262 5.657 6.053 6.448 6.845	5.008 5.415 5.821 6.228 6.631 7.034 7.438 7.839 8.241	B B B B B B B	1 136 136 136 136 136 136 136 136	2 23/4 21/4 23/4 33/4 31/4 31/4 31/4	276 276 276 316 316 316 316 316 316	\$ 6.00 6.90 7.90 8.90 9.90 10.90 12.00 13.10 14.30	1 2 3-4 5-9	\$2.60 2.20 2.00 1.90	\$1.40 1.20 1.10 1.00	\$1.15 1.05 1.00 .95
26 35 45	10.370 13.945 17.920	9.620 13.195 17.170	11.045 14.639 18.626	c c c	11/6 111/6 111/6	314 314 314	4 414 414	21.00 28.50 37.20	1 2 3-4 5-9	2.60 2.20 2.00 1.90	1.60 1.40 1.30 1.20	1.20 1.10 1.05 1.00
60 70	23.884 27.862	23.134 27.112	24.601 28.584	ccc	113/6 113/6 113/6	31/2 31/2 31/2	434 434	52.50 63.00	1 2 3-4	4.50 4.10 3.90	2.20 2.00 1.90	1.50 1.40 1.35

Country Extra Charges appry only upon approxes of spec feations identical in every respect.

SINGLE WIDTH STOCK SPROCKETS—PAGES 58-61

TRIPLE WIDTH STOCK SPROCKETS—PAGES 64 AND 65

TRIPLE WIDTH SPROCKETS (FROM STOCK)

түре "В"

Standard stock bored sprockets are shown in the list prices. If bore is increased or hub is keyseated or setscrewed, simply add the price shown in the table.



Hub	One Side				LIST PRIC	ES AND D	MENSIONS				Hubs on Bo	th Sides
Number	Pitch	Root	Outside	Type	E	Bore	Hub	Price,	Add Extre	s to List Pri	ce of Rach S	procket for
Teeth	Diam.	Diam.	Diam.	Sprocket	Stock	Max.	Length	each	Quantities	Rebore	Key Seat	Set Screw
3	%" PIT	ICH-N	IO. RC	-E35 C	HAIN	(LIST F	RICE C	F CHA	IN \$1.6	5 PER	FOOT)
15 16 17 18 19 21 23 25 30 36 42	1.804 1.922 2.041 2.159 2.278 2.516 2.754 2.992 3.588 4.303 5.018	1.604 1.722 1.841 1.959 2.078 2.316 2.554 2.792 3.388 4.103 4.818	1.989 2.110 2.231 2.352 2.472 2.713 2.963 3.194 3.793 4.511 5.229	B B B B B B B B B		156 156 116 116 116 116 116 116 116 116	134 134 134 134 134 134 134 134 134 134	\$ 2.00 2.00 2.10 2.25 2.40 2.80 3.05 3.50 4.00 4.50 5.00	1 2 3-4 5-9	\$1.70 1.30 1.10 1.90	\$0.70 .50 .45 .40	\$0.60 .50 .45 .40
48 52 60 68 76 84 95 102 119	5.734 6.211 7.165 8.120 9.074 10.029 11.342 12.177 14.206	5.534 6.011 6.965 7.920 8.874 9.829 11.142 11.977 14.006	5.946 6.425 7.381 8.336 9.291 10.247 11.561 12.397 14.426	000000000	34 34 34 13/6 15/6	111/6 111/6 111/6 115/6 115/6 115/6 115/6 115/6	21/4 21/4 21/4 21/4 21/4 21/2 21/2 21/2	5.50 6.00 6.75 7.50 8.25 10.00 12.00 12.60 13.85	1 2 3-4 5-9	2.25 1.85 1.65 1.55	1.00 .80 .70 .60	.60 .50 .45 .40
1	/2" PI1	CH-N	IO. RC	-E40 C	HAIN	(LIST F	RICE C	F CHA	N \$2.3	O PER	FOOT)
15 16 17 18	2.405 2.563 2.721 2.879	2.093 2.251 2.409 2.567	2.653 2.814 2.975 3.136	B B B	1/2 5/8 5/8 5/8	136 114 156 138	21/8 21/8 21/8 21/8 21/8	\$ 3.10 3.20 3.40 3.60	1 2 3-4 5-9	\$1.75 1.35 1.15 1.05	\$0.70 .50 .45 .40	\$0.60 .50 .45 .40
19 21 23 25 30	3.038 3.355 3.672 3.989 4.783	2.726 3.043 3.360 3.677 4.471	3.297 3.618 3.938 4.258 5.057	B B B B	% % % % % %	176 1116 1136 1156 1156	21/8 21/4 21/4 21/4 21/4	3.80 4.30 4.80 5.30 5.50	1 2 3-4 5-9	2.00 1.60 1.40 1.30	1.00 .80 .70 .60	.60 .50 .45 .40
36 42 48 52 60	5.737 6.691 7.645 8.281 9.554	5.425 6.379 7.333 7.969 9.242	6.015 6.972 7.927 8.566 9.841	B C C C C	76 13/6 13/6 13/6	256 286 236 236 236 236	21/2 21/2 21/2 21/2 21/2 21/2	5.90 6.80 8.00 8.60 9.50	1 2 3-4 5-9	2.25 1.85 1.65 1.55	1.00 .80 .70 .60	.60 .50 .45 .40
68 76 84 95 102 119	10.826 12.099 13.372 15.122 16.236 18.942	10.514 11.787 13.060 14.810 15.924 18.630	11.115 12.389 13.663 15.414 16.529 19.235	000000	13/6 13/6 13/6 13/6 13/6 13/6	28 6 28 6 28 6 27 6 27 6 27 6 27 6	2¾ 2¾ 3 3 3 3	10.70 12.00 13.75 16.00 17.40 21.00	1 2 3-4 5-9	2.25 1.85 1.65 1.55	1.25 1.05 .95 .85	.85 .75 .70 .65
5	/s" PIT	CH-N	IO. RC	-E50 C	HAIN	(LIST F	RICE C	F CHA	N \$2.6	4 PER	FOOT	1
15 16 17 18 19 21 25 30	3.006 3.204 3.401 3.599 3.797 4.194 4.987 5.979	2.606 2.804 3.001 3.199 3.397 3.794 4.587 5.579	3.316 3.517 3.719 3.919 4.121 4.522 5.323 6.321	B B B B B B	34	1% 11% 134 178 11% 214 214 214	21/2 21/2 21/2 21/2 21/2 25/2 25/2 25/2	\$ 3.60 3.80 4.00 4.20 4.60 5.10 6.20 7.80	1 2 3-4 5-9	\$2.10 1.70 1.50 1.40	\$1.00 .80 .70 .60	\$0.60 .50 .45 .40
36 42 52 68	7.171 8.363 10.351 13.533	6.771 7.963 9.951 13.133	7.519 8.715 10.708 13.894	0000	136 136 136 136 156	21/4 21/4 21/4 21/4	3 3 314 312	9.80 11.20 13.50 17.70	1 2 3-4 5-9	2.40 2.00 1.80 1.70	1.00 .80 .70 .60	.60 .50 .45 .40
76 95 102 119	15.124 18.903 20.295 23.677	14.724 18.503 19.895 23.277	15.486 19.268 20.661 24.038	ccc	15/6 15/6 15/6 15/6	21/6 21/6 21/6 21/6 215/6	3½ 3¾ 3¾ 3¾	20.00 26.50 29.00 35.50	1 2 3-4 5-9	2.40 2.00 1.80 1.70	1.25 1.05 .95 .85	.85 .75 .70 .65

FOR NOS. RC-E35, RC-E40, RC-E50, RC-E60, RC-E80 AND RC-E100 CHAINS

					LIST PRICE	ES AND D	MENSIONS					
Number	Pitch	Root	Outside	Type	~~~~	ore	Hub	Price,	Add Extra	s to List Pri	ce of Each S	procket for
of Teeth	Diam.	Diam.	Diam.	Sprocket	Stock	Max.	Length	each	Quantities	Rebore	Key Seat	Set Screw
	3/4" PI1	CH-N	IO. RC	-E60 C	HAIN	(LIST F	RICE C	F CHA	IN \$3.	30 PER	FOOT)
13 14 15 16 17	3.134 3.371 3.607 3.844 4.082	2.665 2.902 3.139 3.376 3.613	3.493 3.737 3.979 4.220 4.463	B B B B	1 1 1 1	11/2 111/6 13/4 2 21/4	3 3 3 3	\$ 3.90 4.20 4.50 4.70 5.00	1 2 3-4 5-9	\$2.20 1.80 1.60 1.50	\$1.20 1.00 .90 .80	\$0.60 .50 .45 .40
18 19 21 25 30	4.319 4.557 5.032 5.984 7.175	3.850 4.088 4.563 5.515 6.706	4.703 4.945 5.426 6.387 7.586	B B B B	1 1 1 1 1	23/6 21/6 21/2 21/2 21/2 21/2	3 3 3 3	5.30 5.60 6.20 8.10 10.90	1 2 3-4 5-9	2.20 1.80 1.60 1.50	1.20 1.00 .90 .80	.60 .50 .45 .40
36 42 52	8.605 10.036 12.422	8.137 9.567 11.953	9.023 10.458 12.849	c c	13/6 13/6 13/6	211/6 211/6 211/6	314 314 314 314	13.50 15.70 19.20	1 2 3-4 5-9	2.60 2.20 2.00 1.90	1.40 1.20 1.10 1.00	.60 .50 .45 .40
68 76 95	16.240 18.149 22.683	15.771 17.680 22.214	16.673 18.584 23.121	C C C	13/6 113/6 113/6	211/6 215/6 215/6	31/2 31/2 4	25.50 29.70 40.70	1 2 3-4 5-9	2.80 2.40 2.20 2.10	1.40 1.20 1.10 1.00	.85 .75 .70 .65
	1" PIT	CH-N	O. RC	-E80 C	HAIN	(LIST F	RICE O	F CHAI	N \$5.6	2 PER	FOOT)	
13 14 15 16	4.179 4.494 4.810 5.126	3.554 3.869 4.185 4.501	4.657 4.982 5.305 5.627	B B B	1 1 1 1	2 2½ 2½ 2½ 2½	3% 3% 3% 3%	\$ 6.40 6.80 7.30 8.10	1 2 3-4 5-9	\$2.50 2.16 1.90 1.80	\$1.50 1.30 1.20 1.10	\$0.90 .80 .75 .60
17 18 19 25	5.442 5.759 6.076 7.979	4.817 5.134 5.451 7.354	5.950 6.271 6.593 8.516	B B B	1 1 1	3 3 3 3	378 378 378 418	8.80 9.60 10.50 16.30	1 2 3-4 5-9	2.60 2.20 2.00 1.90	1.50 1.30 1.20 1.10	.90 .80 .75 .60
30 36 42 52	9.567 11.474 13.382 16.562	8.942 10.849 12.757 15.937	10.114 12.030 13.944 17.132	ccc	13/6 13/6 13/6 13/6	3 3 3 3	4 4 41/2 41/2	18.50 22.50 26.80 34.00	1 2 3-4 5-9	2.80 2.40 2.20 2.10	1.80 1.60 1.50 1.40	1.20 1.10 1.05 1.00
68 76 95	21.653 24.198 30.245	21.028 23.573 29.620	22.230 24.778 30.828	c c c	115% 115% 115%	314 314 314	4¾ 4¾ 5	48.00 54.50 71.50	1 2 3-4 5-9	3.50 3.10 2.90 2.80	2.30 2.10 2.00 1.90	1.40 1.30 1.25 1.20
			NO. RO		CHAIN				AIN \$6	.60 PEF	1 FOOT	')
11 12 13 14 15 16 17 18	4.437 4.830 5.223 5.617 6.012 6.407 6.803 7.198 7.595	3.687 4.080 4.473 4.867 5.262 5.657 6.053 6.448 6.845	5.008 5.415 5.821 6.228 6.631 7.034 7.438 7.839 8.241	B B B B B B	1 136 136 136 136 136 136	134 2346 2146 234 314 314 314 314 314	41/4 41/4 41/4 41/4 41/4 41/4 41/4 41/4	\$ 8.40 9.60 10.80 12.10 13.40 14.90 16.40 17.90	1 2 3-4 5-9	\$3.00 2.60 2.40 2.30	\$1.70 1.50 1.40 1.30	\$1.15 1.05 1.00 .95
26 35 45	10.370 13.945 17.920	9.620 13.195 17.170	11.045 14.639 18.626	C C	13/6 11/6 111/6	314 314 314 314	4¾ 4¾ 5 5¼	19.40 29.30 38.50 51.30	1 2 3-4 5-9	3.00 2.60 2.40 2.30	1.90 1.70 1.60 1.50	1.20 1.10 1.05 1.00
60 70 80	23.884 27.862 31.839	23.134 27.112 31.089	24.601 28.584 32.565	C C C	115/6 115/6 115/6	3½ 3½ 3½ 3½	51/4 51/4 53/4	73.40 88.00 103.50	1 2 3-4 5-9	5.00 4.60 4.40 4.30	2.50 2.30 2.20 2.10	1.50 1.40 1.35 1.30

FOR MADE-TO-ORDER SPROCKETS, SEE PAGES 66-123

SINGLE WIDTH SPROCKETS (MADE-TO-ORDER)

	RICE O		IIN			TY	PE B	STEE	L		Stor		—Page :kets—P	
		- control or						DIMENSI						
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Stand. Hub Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Eac Extra 14" Hu Length
8 9 10 11 12	.980 1.096 1.214 1.331 1.449	1.131	1.379	34	\$ 3.90 3.95 4.00 4.05 4.05	\$ 4.70 4.75 4.80 4.85 4.85	\$ 4.70 4.75 4.80 4.85 4.85	\$ 5.50 5.55 5.60 5.65 5.65	\$ 0.10 .10 .10 .10 .10	\$ 5.70 5.75 5.80 5.85 5.85	\$ 6.50 6.55 6.60 6.65 6.65	\$ 6.50 6.55 6.60 6.65 6.65	\$ 7.30 7.35 7.40 7.45 7.45	\$ 0.15 .15 .15 .15 .15
13 14 15 16 17	1.567 1.685 1.804 1.922 2.041	1.367 1.485 1.604 1.722 1.841	1.989	34	4.10 4.15 4.20 4.25 4.30	4.90 4.95 5.00 5.05 5.10	4.90 4.95 5.00 5.05 5.10	5.70 5.75 5.80 5.85 5.90	.10 .10 .10 .10 .10	5.90 5.95 6.00 6.05 6.10	6.70 6.75 6.80 6.85 6.90	6.70 6.75 6.80 6.85 6.90	7.50 7.55 7.60 7.65 7.70	.15 .15 .15 .20
18 19 20 22 24	2.159 2.278 2.397 2.635 2.873	2.197	2.472 2.593 2.833	3/4/8/2/8	4.35 4.40 4.40 4.50 4.70	5.15 5.20 5.20 5.30 5.50	5.15 5.20 5.20 5.30 5.50	5.95 6.00 6.00 6.10 6.30	.10 .10 .10 .10 .10	6.15 6.20 6.20 6.30 6.50	6.95 7.00 7.00 7.10 7.30	6.95 7.00 7.00 7.10 7.30	7.75 7.80 7.80 7.90 8.10	.20 .20 .20 .20
26 28 30 32 34	3.111 3.349 3.588 3.826 4.064	2.911 3.149 3.388 3.626 3.864	3.553 3.793 4.032	**************************************	4.90 4.90 5.00 5.10 5.20	5.70 5.70 5.80 5.90 6.00	5.70 5.70 5.80 5.90 6.00	6.50 6.50 6.60 6.70 6.80	.10 .20 .20 .20 .20	6.70 6.70 6.80 6.90 7.00	7.50 7.50 7.60 7.70 7.80	7.50 7.50 7.60 7.70 7.80	8.30 8.30 8.40 8.50 8.60	.20 .30 .30 .30
36 38 40 42 44	4.303 4.541 4.780 5.018 5.257	4.103 4.341 4.580 4.818 5.057	4.751 4.990 5.229	**************************************	5.40 5.50 5.70 5.90 6.10	6.20 6.30 6.50 6.70 6.90	6.20 6.30 6.50 6.70 6.90	7.00 7.10 7.30 7.50 7.70	.30 .30 .30 .30 .40	7.20 7.30 7.50 7.70 7.90	8.00 8.10 8.30 8.50 8.70	8.00 8.10 8.30 8.50 8.70	8.80 8.90 9.10 9.30 9.50	.40 .40 .40 .50
46 48 50 52 54	5.495 5.734 5.972 6.211 6.449	5.295 5.534 5.772 6.011 6.249	5.946 6.186 6.425	7/8 1 1 1 1	6.30 6.60 6.90 7.20 7.50	7.10 7.40 7.70 8.00 8.30	7.10 7.40 7.70 8.00 8.30	7.90 8.20 8.50 8.80 9.10	.40 .50 .50 .50	8.20 8.50 8.80 9.20 9.50	9.00 9.30 9.60 10.00 10.30	9.00 9.30 9.60 10.00 10.30	9.80 10.10 10.40 10.80 11.10	.50 .60 .60 .60
56 58 60 62 64	6.688 6.927 7.165 7.404 7.642	6.488 6.727 6.965 7.204 7.442	7.142 7.381 7.619	1 1 1 1 1	7.80 8.10 8.40 8.70 9.00	8.60 8.90 9.20 9.50 9.80	8.60 8.90 9.20 9.50 9.80	9.40 9.70 10.00 10.30 10.60	.60 .60 .60 .70	9.90 10.20 10.50 10.90 11.20	10.70 11.00 11.30 11.70 12.00	10.70 11.00 11.30 11.70 12.00	11.50 11.80 12.10 12.50 12.80	.60 .70 .70 .85
66 68 70 72 74	7.881 8.120 8.358 8.597 8.836	7.681 7.920 8.158 8.397 8.636	8.575	1 1 1 1	9.30 9.60 9.90 10.20 10.50	10.10 10.40 10.70 11.00 11.30	10.10 10.40 10.70 11.00 11.30	10.90 11.20 11.50 11.80 12.10	.80 .80 1.00 1.00 1.10	11.50 11.90 12.20 12.50 12.90	12.30 12.70 13.00 13.30 13.70	12.30 12.70 13.00 13.30 13.70	13.10 13.50 13.80 14.10 14.50	.95 .95 1.15 1.15 1.25
76 78 80 82 84	9.074 9.313 9.552 9.790 10.029	9.113 9.352 9.590	9.291 9.531 9.770 10.008 10.247	1 1 1 1	10.80 11.10 11.40 11.70 12.00	11.60 11.90 12.20 12.50 12.80	11.60 11.90 12.20 12.50 12.80	12.40 12.70 13.00 13.30 13.60	1.10 1.20 1.20 1.30 1.30	13.20 13.60 13.90 14.30 14.60	14.00 14.40 14.70 15.10 15.40	14.00 14.40 14.70 15.10 15.40	14.80 15.20 15.50 15.90 16.20	1.25 1.35 1.35 1.45 1.45
90 92	10.506 10.745	10.306 10.545 10.784	11.203	1 1 1 1	12.30 12.60 12.90 13.20 13.50	13.10 13.30 13.70 14.00 14.30	13.10 13.30 13.70 14.00 14.30	13.90 14.20 14.50 14.80 15.10	1.40 1.50 1.50 1.60 1.70	15.00 15.30 15.70 16.00 16.40	15.80 16.10 16.50 16.80 17.20	15.80 16.10 16.50 16.80 17.20	16.60 16.90 17.30 17.60 18.00	1.55 1.65 1.65 1.75 1.85
96 98 100 102	11.700 11.938	11.500 11.738	11.680 11.919 12.158 12.397	1 1 1 1	13.80 14.10 14.40 14.70	14.60 14.90 15.20 15.50	14.60 14.90 15.20 15.50	15.40 15.70 16.00 16.30	1.70 1.80 1.90 1.90	16.70 17.10 17.50 17.90	17.50 17.90 18.30 18.70	17.50 17.90 18.30 18.70	18.30 18.70 19.10 19.50	1.85 1.85 1.96 2.05

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sprockets with intermediate numbers of teeth, see page 53. When ordering Type "C" Sprockets (with setscrews) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" Sprockets.

FOR NO. RC-35 Silverlink ROLLER CHAIN

LIST PRICES AND DIMENSIONS Stand. LIST PRICES—STEEL SPROCKETS LIST PRICES—CAST IN														
Tumber of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Hub Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Bach Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Rec
48 49 50 51 52	5.734 5.853 5.972 6.091 6.211	5.891	5.946 6.066 6.186 6.305 6.425	134 134 134 134 134						\$ 5.10 5.15 5.20 5.25 5.30	\$ 6.00 6.05 6.10 6.15 6.20	\$ 6.00 6.05 6.10 6.15 6.20	\$ 6.90 6.95 7.00 7.05 7.10	\$ 0.10 .10 .10 .10
53 54 55 56 57	6.330 6.449 6.569 6.688 6.807	6.488	6.664 6.783 6.903	134 134 134 134 134						5.35 5.40 5.45 5.60 5.70	6.25 6.30 6.40 6.50 6.60	6.25 6.30 6.40 6.50 6.60	7.15 7.20 7.30 7.40 7.50	.10 .10 .10 .10
58 60 62 64 66	6.927 7.165 7.404 7.642 7.881	7.204	7.619	134 134 134 134 134						5.80 5.90 6.00 6.10 6.20	6.70 6.80 6.90 7.00 7.10	6.70 6.80 6.90 7.00 7.10	7.60 7.70 7.80 7.90 8.00	.10 .10 .10 .10
68 70 72 74 76	8.120 8.358 8.597 8.836 9.074	8.158 8.397 8.636	8.575 8.814 9.053	134	For pris	ing Type ise prices tional h	on oppos	el Sprocke ite page p h charges	olus addi-	6.30 6.40 6.50 6.60 6.70	7.20 7.30 7.40 7.50 7.60	7.20 7.30 7.40 7.50 7.60	8.10 8.20 8.30 8.40 8.50	.10 .10 .10 .10
78 80 82 84 86	9.313 9.552 9.790 10.029	9.350 9.590 9.820	9.531 9.770 10.008 10.247 3.10.486	134						6.80 6.80 6.90 7.00 7.10	7.70 7.70 7.80 7.90 8.00	7.70 7.70 7.80 7.90 8.00	8.60 8.60 8.70 8.80 8.90	.10 .10 .15 .15
88 90 92 94 96	10.745 10.98 11.22	10.54 10.78 211.02	5 10 . 725 5 10 . 964 4 11 . 200 2 11 . 44 1 11 . 680	2 2 2						7.20 7.30 7.40 7.50 7.60	8.10 8.20 8.30 8.40 8.50	8.10 8.20 8.30 8.40 8.50	9.00 9.10 9.20 9.30 9.40	.15 .15 .15 .15
98 100 102 104 106	11.93 12.17 12.41	3 11 . 73 7 11 . 97 5 12 . 21	0 11 .919 8 12 .156 7 12 .393 6 12 .633 5 12 .874	2 2 2 2	\$18.60 18.80	CAST 8 \$19.60 19.80	\$19.60 19.80	\$20.60 20.80	\$ 0.30	7.70 7.80 7.90 8.00 8.20	8.70 8.80 8.90	8.60 8.70 8.80 8.90 9.10	9.50 9.60 9.70 9.80 10.00	.15 .15 .15 .15
108 110 112 114 116	13.13 13.37 13.60	2 12 .93 1 13 .17 9 13 .40	3 13 11: 2 13 35: 1 13 59: 9 13 82: 8 14 06:	2 2 2 2 2 2 2	19.00 19.20 19.40 19.60 19.80	20.00 20.20 20.40 20.60 20.80	20.00 20.20 20.40 20.60 20.80	21.00 21.20 21.40 21.60 21.80	.30 .30 .30 .30	8.40 8.50 8.60 8.70 8.80	9.40 9.50 9.60	9.30 9.40 9.50 9.60 9.70	10.20 10.30 10.40 10.50 10.60	.15 .15 .15
118 120			7 14 . 30 6 14 . 54		20.00 20.20	21.00 21.20	21.00 21.20	22.00 22.20	.30	8.90 9.10		9.80 10.00	10.70	.15

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of sprockets with intermediate numbers of teeth, see page 53.

SINGLE WIDTH SPROCKETS (MADE-TO-ORDER)

1/2"
LIST PRICES OF CHAIN, PER FOOT
PITCH RC-40...\$0.70 RC-42...\$0.28
RC-41....\$6 RC-43....\$26

TYPE B STEEL

Chain—Pages 44-45
Stock Sprockets—Pages 58-59

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5181
#
Neil .
5
=
=
8

Number of Teeth	Pitch Diam., Inches	†Root Diam., Inches	Outside Diam., Inches	Stand, Hub Length Through Bore, Inches	LIST PRICES-NOT HARDENED SPROCKETS				LIST	PRICES	-HARDENED SPROCKETS			
					With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Bach Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Both Extra 14" Hub Length
8 9 10 11 12	1.307 1.462 1.618 1.775 1.932	.995 1.150 1.306 1.463 1.620	1.674 1.839 2.003	XXXXXX	\$ 4.05 4.10 4.15 4.20 4.20	\$ 4.85 4.90 4.95 5.00 5.00	\$ 4.85 4.90 4.95 5.00 5.00	\$ 5.65 5.70 5.75 5.80 5.80	\$ 0.10 .10 .10 .10 .10	\$ 5.85 5.90 5.95 6.00 6.00	\$ 6.65 6.70 6.75 6.80 6.80	\$ 6.65 6.70 6.75 6.80 6.80	\$ 7.45 7.50 7.55 7.60 7.60	\$ 0.15 .15 .15 .15 .15
13 14 15 16 17	2.089 2.247 2.405 2.563 2.721	1.777 1.935 2.093 2.251 2.409	2.491 2.653 2.814	Nava Ana	4.25 4.25 4.30 4.35 4.50	5.05 5.05 5.10 5.15 5.30	5.05 5.05 5.10 5.15 5.30	5.85 5.85 5.90 5.95 6.10	.10 .10 .10 .10 .10	6.05 6.06 6.10 6.15 6.30	6.85 6.85 6.90 6.95 7.10	6.85 6.85 6.90 6.95 7.10	7.65 7.65 7.70 7.75 7.90	.20 .20 .20 .20 .20
18 19 20 21 22	2.879 3.038 3.196 3.355 3.513	2.567 2.726 2.884 3.043 3.201	3 297 3 457 3 618	7/8 1 1 1	4.60 4.80 4.90 5.00 5.10	5.40 5.60 5.80 5.85 5.90	5.40 5.60 5.80 5.85 5.90	6.20 6.40 6.60 6.65 6.70	.10 .10 .10 .10 .20	6.40 6.60 6.70 6.80 6.90	7.20 7.40 7.50 7.60 7.70	7.20 7.40 7.50 7.60 7.70	8.00 8.20 8.30 8.40 8.50	.20 .20 .25 .25 .35
24 26 28 30 32	3.831 4.148 4.466 4.783 5.101	3.519 3.836 4.154 4.471 4.789	4.418	1 1 1 1 1	5.20 5.30 5.40 5.60 6.00	6.00 6.10 6.20 6.40 6.80	6.00 6.10 6.20 6.40 6.80	6.80 6.90 7.00 7.20 7.60	.20 .20 .30 .30 .40	7.00 7.10 7.20 7.40 7.90	7.80 7.90 8.00 8.20 8.70	7.80 7.90 8.00 8.20 8.70	8.60 8.70 8.80 9.00 9.50	.35 .35 .45 .45 .55
34 36 38 40 42	5.419 5.737 6.055 6.373 6.691	5.107 5.425 5.743 6.061 6.379	6.015 6.334 6.653	1 1 1 1	6.30 6.50 6.90 7.30 7.70	7.10 7.30 7.70 8.10 8.50	7.10 7.30 7.70 8.10 8.50	7.90 8.10 8.50 8.90 9.30	.40 .50 .50 .60	8.30 8.60 9.10 9.60 10.10	9.10 9.40 9.90 10.40 10.90	9.10 9.40 9.90 10.40 10.90	9.90 10.20 10.70 11.20 11.70	.55 .65 .65 .65
44 46 48 50 52	7.009 7.327 7.645 7.963 8.281	6.697 7.015 7.333 7.651 7.969	7.609 7.927 8.247	1 1 11/6 11/6 11/8	8.10 8.50 8.90 9.30 9.70	8.90 9.30 9.70 10.10 10.50	8.90 9.30 9.70 10.10 10.50	9.70 10.10 10.50 10.90 11.30	.60 .70 .70 .80 .90	10.60 11.10 11.60 12.10 12.60	11.40 11.90 12.40 12.90 13.40	11.40 11.90 12.40 12.90 13.40	12.20 12.70 13.20 13.70 14.20	.75 .85 .85 .95 1.10
54 56 58 60 62	8.599 8.917 9.236 9.554 9.872		9.203	11/6 11/8 11/6 11/8 11/8	10.10 10.50 10.90 11.30 11.70	10.90 11.30 11.70 12.10 12.50	10.90 11.30 11.70 12.10 12.50	11.70 12.10 12.50 12.90 13.30	1.00 1.10 1.20 1.20 1.30	13.10 13.60 14.10 14.60 15.10	13.90 14.40 14.90 15.40 15.90	13.90 14.40 14.90 15.40 15.90	14.70 15.20 15.70 16.20 16.70	1.20 1.30 1.40 1.40 1.50
64 66 68 70 72	10 . 190 10 . 508 10 . 826 11 . 145 11 . 463	10.196 10.514 10.833	10.796 11.115 11.434	11/6 11/8 11/8 11/8 11/8	12.20 12.70 13.20 13.70 14.20	13.00 13.50 14.00 14.50 15.00	13.00 13.50 14.00 14.50 15.00	13.80 14.30 14.80 15.30 15.80	1.40 1.50 1.60 1.70 1.80	15.70 16.30 16.90 17.50 18.10	16.50 17.10 17.70 18.30 18.90	16.50 17.10 17.70 18.30 18.90	17.30 17.90 18.50 19.10 19.70	1.60 1.70 1.80 1.90 1.90
74 76	11.781 12.099	11.469 11.787	12.071 12.389	11/6 11/8	14.70 15.20	15.50 16.00	15.50 16.00	16.30 16.80	1.90	18.70 19.30	19.50 20.10	19.50 20.10	20.30 20.90	2.00 2.10

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

†Root Diameters differ for Nos. RC-41, RC-42 and RC-43 Sprockets. See page 53.

For Diameters of Sprockets with intermediate numbers of teeth, see page 53.

When ordering type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NOS. RC-40. RC-41. RC-42 AND RC-43 ROLLER CHAINS

LIST PRICES OF CHAIN, PER FOOT Chain-Pages 44-45 STEEL AND CAST IRON RC-40 S0 70 RC-42 \$0.28 PITCH Stock Sprockets—Pages 58-59 RC-41... .36 RC-43.....26 LIST PRICES AND DIMENSIONS LIST PRICES STERL SPROCKETS LIST PRICES-CAST IRON SPROCKETS With For Each Extra 14" Hub Length With Key Seat and Set Screen of Teeth One 4.471 4.789 5.107 5.425 5.743 6.30 6.40 6.50 057 40 \$ 77 .20 .30 .40 5556 32 34 36 101 377 .50 .60 6 6.40 5.419 .696 .015 60 TYPE C 38 6 90 6 70 6.70 7 60 5.90 6.00 6.10 6.80 6.90 7.00 373 134 134 134 134 134 7.70 7.80 7.90 972 6.90 10 42 691 44 009 6.697 327 609 30 7.20 8.10 10 6.40 7.651 8.247 7.969 8.566 8.287 8.885 8.605 9.203 8.924 9.522 7.30 7.40 7.50 7.60 7.80 7 For pricing Type "C" Steel Sprockets in this block, use prices on opposite page plus addi-tional hub length charges. 134 134 134 134 134 8.20 8.30 8.40 10 8.281 8.599 7.40 6.50 10 54 6 60 8.917 9.236 8.50 8.70 10 13/4 8.20 8.40 8.60 62 872 9.560 10.159 9.878 10.478 .30 .50 .70 20 9.10 9.30 10 64 10.190 10 40 66 10 508 10 196 10 7.70 9.50 10 826 10 514.11 115 8.80 8.80 10 70 72 8 9. 9.00 9.90 9.20 9.30 9.40 9.50 9.20 9.30 9.40 9.50 .463 11 .151 11 .752 781 11 .469 12 .071 20 10.20 10.30 15 74 469 12 071 099 CAST STEEL SPROCKETS 78 12 417 12 105 12 \$19.10 \$20.20 \$20.20 \$21.30 S 0 30 12.736 12.424 13.026 13.054 12.742 13.345 13.372 13.060 13.663 9.70 9.80 10.00 20 20 20 9 10 70 19.30 19.50 19.70 82 84 20 30 30 .60 .80 60 80 9.80 .80 86 88 13.690 13.378 13.982 19.90 00 00 10 30 20 10.20 10.20 .20 14.008 13.696 14.300 10 21 30 14 327 14 015 14 618 14 645 14 333 14 937 14 963 14 651 15 255 15 281 14 969 15 573 15 600 15 288 15 892 20.30 20.50 20.70 20.90 21.10 90 92 22 22 23 21 21 21 22 22 .40 21 21 21 10.60 10 60 .90 12.00 12.10 12.30 .15 .15 .15 70 30 30 30 30 9.80 10.90 10.90 94 96 98 11.00 11.20 11.30 90 90 00 .30 îŏ. 22.60 23.00 23.50 24.00 24.60 15 15 16.210 30 22 23 23 23 24 24 25 50 70 90 10 .50 .70 .90 21 22 22 22 102 104 106 16 236 15 924 16 529 555 16 243 16 847 873 16 561 17 166 50 .00 .70 30 30 30 10. 60 .80 15 30 24.00 17. 191 16. 879 17. 483 23.40 25.80 30 11 20 12.30 13.40 214 214 214 214 214 110 17.509 17.197 17.803 17.828 17.516 18.120 18.146 17.834 18.439 23 24 25 25 25 26 .70 26.30 26.90 27.50 30 30 30 12.50 12.70 12.90 12.50 12.70 12.90 13.60 15 15 .50 70 60 îî 11.80 14.00 116 18 464 18 152 18 757 18 623 18 311 18 917 60 26 27 80 26.80 27.10 28.00 .30 12 00 13.10 13.30 14.20 14.40 15 90 10 18.783 18.471 19.076 21/4 21/4 27.40 15 30

27.90 Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

26.70 For Diameters of sprockets with intermediate numbers of teeth, see page 53.

120

19 101 18 789 19 394

†Root Diameters differ for Nos. RC-41, RC-42 and RC-43 Sprockets. See page 53.

LINK-BELT 69

15.60 16.70 15

27.90 29 10 30 14.50

5/8" PITCH

PITCH LIST PRICES OF CHAIN PER FOOT RC-50...\$0.74 RC-52...\$0.80

TYPE B STEEL

Chain—Pages 44-45
Stock Sprockets—Page 59



			Lgth.Ti	Hub	LIST P	RICES-N	OT HARDI	ENED SPR	OCKETS	LIST	PRICES-	-HARDEN	ED SPRO	CKETS
Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Bos Inci Solid		With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Eac Extra
1.827 2.023 2.219	1 427 1 623 1 819	2.092 2.299 2.504	1 1 1 1		4.30	\$ 5.00 5.10 5.20 5.30 5.30	\$ 5.00 5.10 5.20 5.30 5.30	\$ 5.80 5.90 6.00 6.10 6.10	\$ 0.10 .10 .10 .10 .10	\$ 6.20 6.30 6.40 6.50 6.50	\$ 7.00 7.10 7.20 7.30 7.30	\$ 7.00 7.10 7.20 7.30 7.30	\$ 7.80 7.90 8.00 8.10 8.10	\$ 0.15 .15 .15 .15 .20
2.612 2.809 3.006 3.204 3.401	2.409 2.606 2.804	3.114 3.316 3.517	1		4.60 4.70 4.75 4.85 4.95	5.40 5.50 5.55 5.65 5.75	5.40 5.50 5.55 5.65 5.75	6.20 6.30 6.35 6.45 6.55	.10 .10 .10 .10 .20	6.60 6.70 6.75 6.85 6.95	7.40 7.50 7.55 7.65 7.75	7.40 7.50 7.55 7.65 7.75	8.20 8.30 8.35 8.45 8.55	.20 .20 .20 .20 .35
3.599 3.797 3.995 4.194 4.392	3.397 3.595 3.794	4.121 4.321 4.522	1 1 11/2 11/2 11/2		5.05 5.25 5.40 5.60 5.80	5.85 6.05 6.20 6.40 6.60	5.85 6.05 6.20 6.40 6.60	6.65 6.85 7.00 7.20 7.40	.20 .20 .20 .20 .20	7.05 7.25 7.40 7.65 7.90	7.85 8.05 8.20 8.45 8.70	7.85 8.05 8.20 8.45 8.70	8.65 8.85 9.10 9.30 9.50	.35 .35 .35 .35
4.788	4.388 4.587 4.785	5.123 5.323 5.523	11/4 11/4 11/4 11/4 11/4		6.05 6.30 6.45 6.60 6.75	6.85 7.10 7.25 7.40 7.55	6.85 7.10 7.25 7.40 7.55	7.65 7.90 8.05 8.20 8.35	.20 .30 .30 .30 .30	8.20 8.50 8.70 8.90 9.10	9.00 9.30 9.50 9.70 9.90	9.00 9.30 9.50 9.70 9.90	9.80 10.10 10.30 10.50 10.70	.35 .45 .45 .45
5.582 5.781 5.979 6.178 6.376	5.381 5.579 5.778	6.122 6.321 6.521	11/4 11/4 11/4 11/4 11/4	4 4	6.90 7.05 7.20 7.40 7.60	7.70 7.85 8.00 8.20 8.40	7.70 7.85 8.00 8.20 8.40	8.50 8.65 8.80 9.00 9.20	.40 .40 .50 .50	9.30 9.50 9.70 9.95 10.20	10.10 10.30 10.50 10.75 11.00	10.10 10.30 10.50 10.75 11.00	10.90 11.10 11.30 11.55 11.80	.55 .55 .65 .65
6.575 6.774 6.972 7.171 7.370	6.374 6.572 6.771	7.120 7.319 7.519	11%	4 4 4 4 4	7.90 8.20 8.50 8.80 9.10	8.70 9.00 9.30 9.60 9.90	8.70 9.00 9.30 9.60 9.90	9.50 9.80 10.10 10.40 10.70	.60 .60 .60 .70	10.55 10.90 11.25 11.60 11.95	11.35 11.70 12.05 12.40 12.75	11.35 11.70 12.05 12.40 12.75	12.15 12.50 12.85 13.20 13.55	.65 .75 .75 .85
7.569 7.767 7.966 8.363 8.761	7.367 7.566 7.963	8.117 8.316 8.715	11/8 15/8 15/6	4 4 4 4	9.40 9.70 10.00 10.60 11.20	10.20 10.55 10.90 11.50 12.10	10.20 10.55 10.90 11.50 12.10	11.00 11.40 11.80 12.40 13.00	.80 .80 .90 1.00 1.10	12.30 12.65 13.00 13.70 14.40	13.10 13.50 13.90 14.60 15.30	13.10 13.50 13.90 14.60 15.30	13.90 14.35 14.80 15.50 16.20	.95 .95 1.06 1.20 1.30
9.556 9.954 10.351	9.156 9.554 9.951	9.911 10.309 10.708	136	4 4 4 4	11.80 12.40 13.00 13.70 14.40	12.70 13.30 13.90 14.60 15.30	12.70 13.30 13.90 14.60 15.30	13.60 14.20 14.80 15.50 16.20	1.20 1.30 1.40 1.50 1.60	15.10 15.90 16.70 17.60 18.50	16.00 16.80 17.60 18.50 19.40	16.00 16.80 17.60 18.50 19.40	16.90 17.70 18.50 19.40 20.30	1.40 1.50 1.60 1.70 1.80
			13% 13%	4	15.10 16.00	16.00 16.90	16.00 16.90	16.90 17.80	1.70 1.80	19.40 20.50	20.30 21.40	20.30 21.40	21.20 22.30	1.90 1.90
	1.6333 2.2219 2.415 2.6133 3.004 3.304 4.788 3.396 4.194 4.382 4.590 4.788 5.584 4.987 5.185 5.587 6.173 7.796 6.774 6.977 7.796 6.777 7.796 6.777 7.996 8.793 8.7	1 633 1 233 1 233 1 233 1 233 2 2 2 2 2 2 2	1 633 1 233 1 884 1 825 1 1 233 1 884 1 825 1 82	1	1.65	1	1.650 1.65	1.65	1.685 1.28	1.650 1204	1	1.650 1.25	1.655 120 1.655 120 1.655	1.652 1.252 1.525 1.52

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

List Prices are for Solid Sprockets (Not Split).

For diameters of Sprockets with intermediate numbers of teeth, see page 54.

When ordering Type "C" Sprockets (with setscrews) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NOS. RC-50 AND RC-52 Silverlink ROLLER CHAINS

LIST PRICES OF CHAIN, PER FOOT RC-50...\$0.74 RC-52...\$0.80

TYPE C STEEL AND CAST IRON

Chain-Pages 44-45 Stock Sprockets—Page 59

							LIST	PRICES A	IND DIME	NSIONS						
		I	- Marie -	Stand.	Hub	LIS	r PRICES	S-STEEL	SPROCKE	TS	LIST	PRICES-	CAST IR	ON SPROC	KETS	
Number		Root Diam.,		Bo	re.	With	With	With	With Key Seat	For Each Extra	With	With	With	With Key Seat	For Each Extre	
Teeth	Inches	Inches	Inches	Solid	Split	Plain Bore	Key Seat	Set Screw	and Set Screw	Length	Plain Bore	Key Seat	Set Screw	and Set Screw	Length	
26 28 30 32 34	5.185 5.582 5.979 6.376 6.774	5.182 5.579 5.976	5.922 6.321 6.721	2 2 2	4 4						\$ 5.70 5.80 5.90 6.00 6.10	\$ 6.60 6.70 6.80 6.90 7.00	\$ 6.60 6.70 6.80 6.90 7.00*	\$ 7.50 7.60 7.70 7.80 7.90	\$ 0.15 .15 .15 .15 .15	
36 38 40 42 44	7.171 7.569 7.966 8.363 8.761	7.169 7.566 7.963	7.918 8.316 8.715	2 2 2	4 4 4 4	For pricing	e prices	on oppos	d Sprocke ite page p charges.	ts in this lus addi-	6.30 6.40 6.60 6.80 7.00	7.20 7.30 7.50 7.70 7.90	7.20 7.30 7.50 7.70 7.90	8.10 8.20 8.40 8.60 8.80	. 15 . 15 . 15 . 15 . 15	

Teeth	Inches	Inches	Inches	Solid	Split	Plain Bore	Key Seat	Set Screw	and Set Screw	Length	Plain Bore	Key Seat	Set Screw	and Set Screw	Length
26 28 30 32 34	5.185 5.582 5.979 6.376 6.774	4.785 5.182 5.579 5.976 6.374	5.523 5.922 6.321 6.721 7.120	2 2 2 2 2	4 4						\$ 5.70 5.80 5.90 6.00 6.10	\$ 6.60 6.70 6.80 6.90 7.00	\$ 6.60 6.70 6.80 6.90 7.00*	\$ 7.50 7.60 7.70 7.80 7.90	\$ 0.15 .15 .15 .15 .15
36 38 40 42 44	7.171 7.569 7.966 8.363 8.761	6.771 7.169 7.566 7.963 8.361	7.519 7.918 8.316 8.715 9.114	2 2 2 2 2	4 4 4 4 4	For pric	se prices	on opposi	d Sprocke te page p charges.	ts in this lus addi-	6.30 6.40 6.60 6.80 7.00	7.20 7.30 7.50 7.70 7.90	7.20 7.30 7.50 7.70 7.90	8.10 8.20 8.40 8.60 8.80	. 15 . 15 . 15 . 15 . 15
46 48 50 52 54	9.159 9.556 9.954 10.351 10.749	9.554	9.911 10.309 10.708	2 2 2 2 2 2 2 2 2 2 4	4 4 4 4		tional in	io icagai	cuarges.		7.20 7.40 7.60 7.80 8.10	8.20 8.40 8.60 8.80 9.10	8.20 8.40 8.60 8.80 9.10	9.20 9.40 9.60 9.80 10.10	.20 .20 .20 .20 .20
56 58 60 62 64	11.544 11.942 12.340	10.747 11.144 11.542 11.940 12.338	11.903 12.306 12.699	21/4 21/4 21/4 21/2 21/2	4 4 4 4	\$23.00 23.20	CAST S \$24.20 24.40	\$24.20 24.40		\$ 0.40	8.30 8.60 8.90 9.10 9.30	9.30 9.60 9.90 10.20 10.40	9.30 9.60 9.90 10.20 10.40	10.30 10.60 10.90 11.30 11.50	.20 .20 .20 .20 .20
66 68 70 72 74	13.533 13.931 14.329	12.735 13.133 13.531 13.929 14.326	13.894 14.292 14.690	21/2 21/2 21/2 21/2 21/2	4 4 4 4 4	23.40 23.60 23.80 24.00 24.20	24.60 24.80 25.00 25.20 25.40	24.60 24.80 25.00 25.20 25.40	25.80 26.00 26.20 26.40 26.60	.40 .40 .40 .40	9.50 9.70 9.90 10.10 10.30	10.60 10.80 11.00 11.20 11.40	10.60 10.80 11.00 11.20 11.40	11.70 11.90 12.10 12.30 12.50	.20 .20 .20 .20 .20
76 78 80 82 84	15.522 15.920 16.317	14.724 15.122 15.520 15.917 16.315	15.884 16.283 16.681	21/2 21/2 21/2 23/4 23/4	4 4 4 4 4 4 4 4 4 4	24.40 24.60 24.80 25.00 25.20	25.60 25.90 26.00 26.20 26.40	25.60 25.90 26.00 26.20 26.40	26.80 27.00 27.20 27.40 27.60	.40 .40 .40 .40 .40	10.50 10.80 11.10 11.40 11.70	11.60 11.90 12.20 12.50 12.80	11.60 11.90 12.20 12.50 12.80	12.70 13.00 13.30 13.60 13.90	.20 .20 .20 .20 .20
86 88 90 92 93	17.511 17.909 18.306	16.713 17.111 17.509 17.906 18.105	17.874 18.273 18.671	2% 2% 2% 2% 2%	414 414 414 414 414	25.40 25.60 26.00 26.70 27.00	26.60 26.80 27.20 27.90 28.20	26.60 26.80 27.20 27.90 28.20	27.80 28.00 28.50 29.10 29.40	.40 .40 .40 .40 .40	12.30 12.30 12.60 12.90 13.10	13.10 13.40 13.70 14.00 14.20	13.10 13.40 13.70 14.00 14.20	14.20 14.50 14.80 15.10 15.30	.20 .20 .20 .20 .20
94 96 98 100 102	19.102 19.500 19.898	18.304 18.702 19.100 19.498 19.895	19.466 19.864 20.263	2% 2% 2% 2% 2% 2%	414 414 414 414 414	27.30 28.10 28.60 29.30 29.90	28.50 29.30 29.80 30.50 31.10	28.50 29.30 29.80 30.50 31.10	29.70 30.50 31.00 31.70 32.30	.40 .40 .40 .40 .40	16.10 16.40 16.70 17.00 17.30	17.20 17.50 17.80 18.10 18.40	17.20 17.50 17.80 18.10 18.40	18.30 18.60 18.90 19.20 19.50	.20 .20 .20 .20 .20
104 106 108 110 112	21.091 21.489 21.887	20.293 20.691 21.089 21.487 21.885	21.457 21.855 22.253	234 234 234 234 234	414 414 414 414 414	31.20 31.80 32.50	31.70 32.40 33.00 33.70 34.30	31.70 32.40 33.00 33.70 34.30	32.90 33.60 34.20 34.90 35.50	.40 .40 .40 .40	17.60 17.90 18.20 18.50 18.90	18.70 19.00 19.30 19.60 20.00	18.70 19.00 19.30 19.60 20.00	19.80 20.10 20.40 20.70 21.10	.20 .20 .20 .20 .20
114 116 118 120	23.080	22.283 22.680 23.078 23.476	23.447	2¾ 2¾ 2¾ 2¾ 2¾	414 414 414 414	33.80 34.40 35.10 35.70	35.00 35.60 36.30 36.90	35.00 35.60 36.30 36.90	36.20 36.80 37.50 38.10	.40 .40 .40 .40	19.30 19.80 20.30 20.80	20.40 20.90 21.40 21.90	20.40 20.90 21.40 21.90	21.50 22.00 22.50 23.00	.20 .20 .20 .20

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. List Prices are for Solid Sprockets (Not Split). For diameters of Sprockets with intermediate numbers of teeth, see page 54.

RC-	62 76 77 78		\$1. 1. 1. 1. 1. 1.	00 10 10 10	Type \$0.90 1.00 1.00 1.00 1.00			TYI		STEE	_				Pages 4 :kets—F	
-	T			T	Stand.	Hub	LIST P	RICES-N	DT HARD	ENED SPI	ROCKETS	LIST	PRICES		ED SPRO	CKETS
Num oi Tee	Di	am., ches	Root Diam., Inches	Outside Diam., Inches	Bore, I Solid	Split	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra & Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length
10	2 2 2	.960 .193 .427 .662 .898	1.491 1.724 1.958 2.193 2.429	2.510 3.2.758 3.008	11/4		\$ 4.20 4.30 4.40 4.50 4.60	\$ 5.10 5.20 5.30 5.40 5.50	\$ 5.10 5.20 5.30 5.40 5.50	\$ 6.00 6.10 6.20 6.30 6.40	\$ 0.10 .10 .10 .10 .10	\$ 6.10 6.20 6.40 6.50 6.60	\$ 7.00 7.10 7.30 7.40 7.50	\$ 7.00 7.10 7.30 7.40 7.50	\$ 7.90 8.00 8.20 8.30 8.40	\$ 0.20 .20 .20 .20 .20
11	3 3	. 134 . 371 . 607 . 844 . 082	2.665 2.902 3.139 3.376 3.613	3.73 3.97 4.22			4 80 5 00 5 10 5 20 5 40	5.70 5.90 6.00 6.10 6.30	5.70 5.90 6.00 6.10 6.30	6.60 6.80 6.90 7.00 7.20	.20 .20 .20 .20 .30	6.80 7.00 7.10 7.30 7.50	7.70 7.90 8.00 8.20 8.40	7.70 7.90 8.00 8.20 8.40	8.60 8.80 8.90 9.10 9.30	.30 .35 .35 .35 .45
11 20 21 22 22	4 5	319 557 794 032 270	3 950 4 088 4 326 4 563 4 801	5.186 5.426	11/4		5 60 5 70 5 80 6 00 6 20	6.50 6.60 6.70 7.00 7.20	6.50 6.60 6.70 7.00 7.20	7.40 7.50 7.60 8.00 8.20	.30 .30 .40 .40 .40	7.70 7.80 7.90 8.20 8.40	8.60 8.70 8.80 9.20 9.40	8.60 8.70 8.80 9.20 9.40	9.50 9.60 9.70 10.20 10.40	.45 .50 .60 .60
2: 2: 2: 2: 2:	5 6	508 .746 .984 .222 .460	5.753	6.143	114	4 4	6.40 6.70 6.90 7.20 7.50	7.40 7.70 7.90 8.20 8.50	7.40 7.70 7.90 8.20 8.50	8 40 8 70 8 90 9 20 9 50	.40 .50 .50 .50	8.70 9.10 9.30 9.70 10.10	9.70 10.10 10.30 10.70 11.10	9.70 10.10 10.30 10.70 11.10	10.70 11.10 11.30 11.70 12.10	.60 .60 .60 .70
21 21 31 31 31	7.7	699 937 175 413 652	6.230 6.468 6.706 6.945 7.183	7.346 7.586 7.826	11/4 11/4 11/5	4 4 4 4	7.80 8.20 8.60 9.00 9.40	8.80 9.20 9.60 10.00 10.50	8.80 9.20 9.60 10.00 10.50	9.80 10.20 10.60 11.00 11.60	.60 .60 .60 .70	10.40 10.90 11.40 11.80 12.30	11.40 11.90 12.40 12.80 13.40	11.40 11.90 12.40 12.80 13.40	12.40 12.90 13.40 13.80 14.50	.70 .70 .80 .80
3: 3: 3: 3:	8 8	.890 .129 .367 .605 .844	7.421 7.660 7.898 8.137 8.375	8.544	11/2 11/2 11/4	4 4 4 4 4 4	9.80 10.20 10.60 11.00 11.40	10.90 11.30 11.70 12.10 12.50	10 90 11 30 11 70 12 10 12 50	12.00 12.40 12.80 13.20 13.60	.70 .80 .80 .90	12.80 13.20 13.60 14.10 14.60	13.90 14.30 14.70 15.20 15.70	13.90 14.30 14.70 15.20 15.70	15.00 15.40 15.80 16.30 16.80	1.00 1.00 1.10 1.10
3: 40 41 42	9 9	.082 .321 .559 .798 .036	8.852 9.090 9.329	9.501 9.740 9.980 10.219	11/2	4 4 4 436 436	11.80 12.20 12.60 13.05 13.50	12.90 13.30 13.70 14.15 14.60	12.90 13.30 13.70 14.15 14.60	14.00 14.40 14.80 15.25 15.70	1.00 1.00 1.10 1.10 1.20	15.10 15.50 16.00 16.55 17.10	16.20 16.60 17.10 17.65 18.20	16.20 16.60 17.10 17.65 18.20	17.30 17.70 18.20 18.75 19.30	1.20 1.20 1.30 1.30 1.40
4: 4: 4: 4:	10	.513 .752 .990	10.044 10.283 10.522	10.693 10.933 11.176 11.414	116 116 116 116	43% 43% 43% 43% 43%	13.95 14.40 14.85 15.30 15.75	15.05 15.50 15.95 16.40 16.85	15.05 15.50 15.95 16.40 16.85	16.15 16.60 17.05 17.50 17.95	1.30 1.40 1.50 1.60 1.70	17.65 18.20 18.75 19.30 19.85	18.75 19.30 19.85 20.40 20.95	18.75 19.30 19.85 20.40 20.95	19.85 20.40 20.95 21.50 22.05	1.50 1.60 1.70 1.80 1.90
41	11	.467 .706	10.999	11.890 12.133 12.37	114	43/8 43/8 43/8	16.20 16.70 17.20	17.30 17.80 18.30	17.30 17.80 18.30	18.40 18.90 19.40	1.80 1.90 1.90	20.40 21.00 21.60	21.50 22.10 22.70	21.50 22.10 22.70	22.60 23.20 23.80	1.90 2.00 2.10

List Prices are for Solid Sprockets (Not Split).
When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NOS.RC-60,RC-62,RC-76,RC-77,RC-78,ANDRC-79 ROLLER CHAINS

LIST	PRICE	S OF C	HAIN, E												
PC-2	2	\$	10	Rivete Type .\$0.90 .1.00 .1.00 .1.00 .1.40		TYPI	• C	STEEL		CAST	IRON			Pages 4 :kets—P	
	1			Stand.	Hub	LIS		STEEL :			LIST			ON SPROC	
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Lgth.Th Bore, Is Solid	Split	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/4" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length
20 22 24 26 28	4.794 5.270 5.746 6.222 6.699	4.326 4.801 5.277 5.753 6.230	5.186 5.666 6.147 6.627 7.106	214	4 4						\$ 6.50 6.60 6.70 6.90 7.10	\$ 7.40 7.50 7.60 7.80 8.00	\$ 7.40 7.50 7.60 7.80 8.00	\$ 8.30 8.40 8.50 8.70 8.90	\$ 0.15 .15 .15 .15 .15
30 32 34 36 38	7.175 7.652 8.129 8.605 9.082	6.706 7.183 7.660 8.137 8.613	8.065 8.544 9.023	214 214 214	4 4 4 4	For pric	se prices	"C" Stee on opposi ub length	te page r	dus addi-	7.30 7.60 7.70 7.90 8.10	8.20 8.50 8.60 9.00 9.20	8.20 8.50 8.60 9.00 9.20	9.10 9.40 9.50 10.10 10.30	.15 .15 .15 .20 .20
40 42 44 46 48	10.513	10.044	9.980 10.458 10.937 11.414 11.893	21/2 21/2 21/2	4 43/6 43/6 43/6 43/6						8.30 8.60 8.90 9.10 9.40	9.40 9.70 10.00 10.20 10.50	9.40 9.70 10.00 10.20 10.50	10.50 10.80 11.10 11.30 11.60	.20 .20 .20 .20 .20
50 52 54 56 58	12.422 12.899 13.376	11.953 12.430 12.907	12.371 12.849 13.327 13.805 14.283	21/2 21/2 21/2	43/6 43/6 43/6 43/6 43/6	\$23.70 24.10 24.50 24.90	\$24.90 25.30 25.70 26.10	\$24.90 25.30 25.70 26.10	\$26.10 26.50 26.90 27.30	\$ 0.40 .40 .40 .40	9.60 9.90 10.20 10.40 10.70	10.70 11.00 11.30 11.50 11.80	10.70 11.00 11.30 11.50 11.80	11.80 12.10 12.40 12.60 12.90	.20 .20 .20 .20 .20
60 62 64 66 68	15.285	14.339 14.816 15.293	14 . 761 15 . 239 15 . 716 16 . 195 16 . 673	21/2	41/2 41/2 41/2 41/2 41/2	25.30 25.70 26.10 26.50 26.90	26.50 26.90 27.30 27.70 28.10	26.50 26.90 27.30 27.70 28.10	27.70 28.10 28.50 28.90 29.30	.40 .40 .40 .40	11.00 11.60 12.20 12.80 13.40	12.10 12.70 13.30 13.90 14.50	12.10 12.70 13.30 13.90 14.50	13.20 13.80 14.40 15.00 15.60	.20 .20 .20 .20 .20
70 72 74 76 77	17.194 17.671 18.149	16.725 17.203 17.680	17.150 17.628 18.106 18.584 18.823	21/2 21/2 21/2	414 414 414 414 414	27.30 27.70 28.10 28.50 28.70	28.50 29.20 29.60 30.00 30.20	28.50 29.20 29.60 30.00 30.20	29.70 30.70 31.10 31.50 31.70	.40 .50 .50 .50	14.00 14.30 14.60 14.90 15.10	15.10 15.70 16.00 16.30 16.50	15.10 15.70 16.00 16.30 16.50	16.20 17.10 17.40 17.70 17.90	.20 .25 .25 .25 .25
78 80 82 84 86	19.103 19.581 20.058	18.635 19.112 19.589	19.061 19.539 20.017 20.495 20.972	3 3	414 415 5 5	28.90 29.30 29.70 30.10 30.50	30.40 30.80 31.20 31.90 32.50	30.40 30.80 31.20 31.60 32.00	31.90 32.30 32.70 33.40 34.00	.50 .50 .50 .50	17.00 17.30 17.60 17.90 18.30	18.40 18.70 19.00 19.30 20.10	18.40 18.70 19.00 19.30 19.70	19.80 20.10 20.40 20.70 21.60	.25 .25 .25 .25 .25
98 90 92 94 96	21.490 21.968 22.445	21 .021 21 .499 21 .976	21 .449 21 .925 22 .406 22 .883 23 .360	3 3	5 5 5 5 5	30.90 31.50 32.30 33.00 33.70	32.90 33.50 34.30 35.00 35.70	32.50 33.10 33.90 34.60 35.30	34.50 35.10 35.90 36.60 37.30	.50 .50 .50 .50	18.60 19.00 19.40 19.80 20.20	20.50 20.90 21.30 21.70 22.10	20.10 20.50 20.90 21.30 21.70	22.00 22.40 22.80 23.20 23.60	.25 .25 .25 .25 .25
98 100 102 104 106	23.877 24.354 24.832	23 . 408 23 . 885 24 . 363	23 .837 24 .315 24 .790 25 .271 25 .748	3 3	55555	34.50 35.20 36.00 36.70 37.40	36.50 37.20 38.00 38.80 39.50	36.10 36.80 37.60 38.30 39.10	38.10 38.80 39.60 40.30 41.10	.50 .50 .50 .50	20.70 21.20 21.70 22.20 22.70	22.60 23.10 23.60 24.10 24.60	22.20 22.70 23.20 23.70 24.20	24.10 24.60 25.10 25.60 26.10	.25 .25 .25 .25 .25
108 110 112 114 116	26.742	26.273 26.750	26.226 26.70 27.18 27.656 28.136	3	5 5 5 5 5	38.40 39.50 40.40 41.10 41.90	40.40 41.50 42.40 43.10 43.90	40.00 41.10 42.00 42.70 43.50	42.00 43.10 44.00 44.70 45.50	.50 .50 .50 .50	23.20 23.70 24.20 24.70 25.20	25.10 25.60 26.10 26.60 27.10	24.70 25.20 25.70 26.20 26.70	26.60 27.10 27.60 28.10 28.60	.25 .25 .25 .25 .25
118 120	28.651	28.182	28.614 29.091	1 3		42.70 43.50 Not Split	44.70 45.50	44.30 45.10	46.30 47.10	.50 .50	25.70 26.20	27.60 28.10	27.20 27.70	29.10 29.60	.25 .25

List Prices are for Solid Sprockets (Not Split).

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 54.

RC- 80 RC-100 RC-100 RC-100		Cotter Type \$1.70. 1.50. 1.90. 1.80.	Ri- T \$	reted ype 1.60 1.40 1.80 1.70				PE E	STEI					-Pages 4 :kets—F	
No.			tOut-	Stand.	Hub		RICES-NO	AUG. 100 1	12010-020-7		LIST	PRICES	HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	†Root Diam., Inches	side Diam., Inches	Bore, I	Split	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1 Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Eac Extra 16" Hul Length
8 9 10 11 12	2.613 2.924 3.236 3.549 3.864	1.988 2.299 2.611 2.924 3.239	3.678	13/8 13/6 13/6		5.10	\$ 5.70 5.80 6.00 6.20 6.40	\$ 5.70 5.80 6.00 6.20 6.40	\$ 6.60 6.70 6.90 7.10 7.30	\$ 0.10 .10 .20 .20 .20	\$ 6.90 7.00 7.20 7.50 7.70	\$ 7.80 7.90 8.10 8.40 8.60	\$ 7.80 7.90 8.10 8.40 8.60	\$ 8.70 8.80 9.00 9.30 9.50	\$ 0.20 .20 .30 .30 .30
13 14 15 16 17	4.179 4.494 4.810 5.126 5.442	3.869 4.185 4.501	4.982 5.305 5.627	13%		6.00	6.60 6.90 7.00 7.60 8.10	6.60 6.90 7.00 7.60 8.10	7.50 7.80 7.90 8.70 9.20	.30 .30 .40 .40 .50	7.90 8.30 8.40 8.90 9.50	8.80 9.20 9.30 10.00 10.60	8.80 9.20 9.30 10.00 10.60	9.70 10.10 10.20 11.10 11.70	.40 .50 .60 .60
18 19 20 21 22	5.759 6.076 6.393 6.710 7.027	5.451 5.768 6.085	6.593 6.914 7.235	13% 13% 15%	434 434 434	8.20 8.70 9.20	8.60 9.30 9.80 10.30 10.80	8.60 9.30 9.80 10.30 10.80	9.70 10.40 10.90 11.40 11.90	.50 .60 .60 .60	10.10 10.90 11.50 12.10 12.70	11.20 12.00 12.60 13.20 13.80	11.20 12.00 12.60 13.20 13.80	12.30 13.10 13.70 14.30 14.90	.60 .70 .70 .80
23 24 25 26 27	7.344 7.661 7.979 8.296 8.614	6.719 7.036 7.354 7.671 7.989	8.196 8.516 8.836	156 176 176	414 414 414 414	11.10 11.80 12.50	11.50 12.20 13.10 13.80 14.50	11.50 12.20 13.10 13.80 14.50	12.60 13.30 14.40 15.10 15.80	.70 .80 .80 .90 1.00	13.50 14.30 15.10 15.90 16.70	14.60 15.40 16.40 17.20 18.00	14.60 15.40 16.40 17.20 18.00	15.70 16.50 17.70 18.50 19.30	1.00 1.00 1.10 1.10 1.30

10 520 9 895 11 072 10 838 10 213 11 392 11 156 10 531 11 711 11 474 10 849 12 030 11 792 11 167 12 349 Root Diameters and Outside Diameters for page 55.
List Prices are for Solid Sprockets (Not Split).

8.307 8.624 8.942 9.260 9.577

249 567

9

When ordering Type "C" Sprockets (with setscrews) listed in the range of Type "B", it is necessary to provide extra hub lengths as indicated by tabled hub lengths for Type "C" wheels.

20.00 20.70 21.50 22.30 23.10

15.20 15.90 16.60 17.30 18.00 16.50 17.20 17.90 18.60 19.30

19.40 20.20 21.00 21.80

15.20 15.90 16.60 17.30

18.70

.20

18 18 19 10 19 20 21 21 40 .10 .20 .30 .40

60 70 21 22 23 24 .10 .10

80 90 90 18.80 19.60 20.50 21.40 22.30

17.50 18.30 19.20 20.10

.80



Silverlink Roller Chains operate various units on this 20-foot power grader.

PITCH

1.50 1.60 1.70

.90 .00 .10

20.10 20.90 21.80 22.70 23.60

24.50 25.40 26.40 27.40 28.40

19.60 20.50 21

24.10 25.10 26.10 27.10

FOR NOS. RC-80, RC-101, RC-104 AND RC-106 ROLLER CHAINS

	5						LIST I	PRICES AN	ID DIMENS	IONS					
mber	Pitch	†Root	†Out-	Stand.	rough				SPROCKE		LIST			ON SPROC	
of eeth	Diam., Inches	Diam., Inches	side Diam., Inches	Bore, 1	Split	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Scat and Set Screw	For Each Extra 1/4" Hub Length
8 0 2 4 6	5.759 6.393 7.027 7.661 8.296	6.402 7.036	6.914 7.555 8.196	21/2	41/4 41/4 41/4 41/4		se prices	on opposi	el Sprocke te page, p	ts in this	\$ 7.80 7.90 8.00 8.10 8.30	\$8.90 9.00 9.10 9.20 9.40	\$ 8.90 9.00 9.10 9.20 9.40	\$10.00 10.10 10.20 10.30 10.50	\$ 0.20 .20 .20 .20 .20
8 0 2 4	10.838	8.942 9.577 10.213	9.475 10.114 10.753 11.392 12.030	21/2 21/2 21/4	414 414 414 414 414			ub length			8.60 9.00 9.40 9.80 10.20	9.70 10.10 10.50 10.90 11.60	9.70 10.10 10.50 10.90 11.60	10.80 11.20 11.60 12.00 13.00	.20 .20 .20 .20 .20
8 0 2 4	12.746 13.382 14.018	12.121 12.757 13.393	12.668 13.306 13.944 14.582 15.219	3 3 3	5 5 5 5 5	\$27.50 28.10 28.70 29.30 29.90	\$29.00 29.60 30.20 30.80 31.40	\$29.00 29.60 30.20 30.80 31.40		\$ 0.50 .50 .50 .50 .50	10.80 11.40 12.00 12.70 13.30	12.20 12.80 13.40 14.10 14.70	12.20 12.80 13.40 14.10 14.70	13.60 14.20 14.80 15.50 16.10	.25 .25 .25 .25 .25
48 50 52 54 56	15.926 16.562 17.198	15.301 15.937 16.573	15.857 16.495 17.132 17.769 18.406	3	55555	30.50 31.10 31.70 32.40 33.90	32.00 32.60 33.20 33.90 35.60	32.00 32.60 33.20 33.90 35.40	33.50 34.10 34.70 35.40 37.10	.50 .50 .50 .50	13.80 14.30 14.80 15.30 15.80	15.20 15.70 16.20 16.70 17.40	15.20 15.70 16.20 16.70 17.20	16.60 17.10 17.60 18.10 18.80	.25 .25 .25 .25 .30
57 58 60 62 64	18.471 19.107 19.744	17.846 18.482 19.119	18.725 19.044 19.681 20.318 20.955	3 3 3	55555	34.65 35.40 36.90 38.40 39.80	36.35 37.10 38.60 40.10 41.50	36.15 36.90 38.40 39.90 41.30	37.85 38.60 40.10 41.60 43.00	.60 .60 .60 .60	16.30 18.30 18.90 19.50 20.10	17.90 19.90 20.50 21.10 21.70	17.70 19.70 20.30 20.90 21.50	19.30 21.30 21.90 22.50 23.10	.30 .30 .30 .30
66 68 70 72 74	21.653 22.289 22.926	21.028 21.664 22.301	21 .593 22 .230 22 .867 23 .504 24 .141	314	55555	41.30 42.80 44.30 45.80 47.20	44.00 44.50 46.40 47.90 49.30	42.80 44.40 45.80 47.40 48.80	44.50 46.00 47.90 49.50 50.90	.60 .60 .60 .60	20.70 21.40 22.10 22.90 23.80	22.30 23.00 24.00 24.80 25.70	22.10 22.80 23.60 24.40 25.30	23.70 24.40 25.50 26.30 27.20	.30 .30 .30 .30
76 78 80 82 84	25.471 26.108	24 . 846	24.778 25.415 26.052 26.689 27.326	31/4 31/4 31/4 31/4	55555	48.70 50.20 51.70 53.20 54.60	50.80 52.30 53.80 55.30 56.70	50.30 51.80 53.30 54.80 56.20	52.40 53.90 55.40 56.90 58.30	.60 .60 .70	24.70 25.60 26.50 27.20 27.90	26.60 27.50 28.40 29.10 29.80	26.20 27.10 28.00 28.70 29.40	28.10 29.00 29.90 30.60 31.30	.30 .30 .35 .35
86 88 90 92 94	28.017 28.654 29.290	27.392 28.029 28.665	27.962 28.599 29.236 29.873 30.510	312 312 312	55555	56.10 57.60 59.10 60.60 62.00	58.20 59.70 61.20 62.70 64.10	57.70 59.20 60.70 62.20 63.70	59.80 61.30 62.80 64.30 65.70	.70 .70 .70 .70 .70	28.60 29.30 30.00 30.80 31.60	30.50 31.20 31.90 32.70 33.50	30.10 30.80 31.50 32.30 33.10	32.00 32.70 33.40 34.20 35.00	.35 .35 .35 .35
96 98 00 02 04	31.199 31.836 32.473	30.574 31.211 31.848	31.146 31.783 32.420 33.067 33.694	314 314 314 314	55555	63.50 65.00 66.50 68.00 69.40	65.60 67.10 68.60 70.10 71.50	65.10 66.60 68.10 69.60 71.10	67.20 68.70 70.20 71.70 73.10	.70 .70 .70 .70	32.40 33.20 34.00 35.00 36.00	34.30 35.10 35.90 36.90 37.90	33.90 34.70 35.50 36.50 37.50	35.80 36.60 37.40 38.40 39.40	.35 .35 .35 .35
106 108 110	34 . 382 35 . 019	33.757 34.394	34 .331 34 .968 35 .605	31/2 31/2 31/2	5 5 5	70.90 72.40 74.00 eters for	73.00 74.50 76.10	72.50 74.10 75.70	74.60 76.10 77.70	.70 .70 .70	37.00 38.00 39.00	38.90 39.90 40.90	38.50 39.50 40.50	40.40 41.40 42.40	.35 .35 .35

page 55. Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of sprockets with intermediate numbers of teeth, see page 55. List Prices are for Solid Sprockets (Not Spitt).

	 .		TYPI		ST	EEL	FOR N			RC-12	-	130 A			HAINS	
	Chain	-Pag	jes 4		Stand.	Hub	I I IST DI			ENED SPE		LIST			kets—P	
	Number of Teeth	Pitch Diam., Inches	†Root Diam., Inches	†Out- side Diam., Inches	Lgth.Th Bore, I	rough nches Split	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Rach Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Rac Extra %" Hu Length
	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	3.266 3.655 4.437 4.830 5.223 5.617 6.012 6.407 6.803 7.595 7.991 8.387 8.783 9.180 9.577 9.973 10.3767 11.164 11.561	9.223 9.620 10.017 10.414 10.811	4 598 5 008 5 415 5 821 6 228 6 631 7 034 7 438 7 839 8 241 8 643 9 044 9 9 444 9 844 10 645 11 045 11 045 11 245	112222111241111111111111111111111111111		\$ 5.00 5.20 5.80 6.20 7.90 8.50 10.00 10.70 11.40 12.30 13.20 14.10 15.90 16.80 17.70 18.70 19.70 20.80	\$ 5.90 6.10 6.40 6.70 7.10 8.90 9.50 10.20 11.70 12.50 13.40 15.20 15.20 10.20 11.00 12.00 10.00	\$ 5.90 6.10 6.40 6.70 7.10 8.00 8.90 9.50 10.20 11.70 12.50 11.70 12.50 16.10 17.00 19.00 20.00	\$ 6.80 7.00 7.30 7.60 8.00 9.90 10.50 11.20 12.70 13.60 14.50 16.30 18.10 19.40 20.30 21.30 22.30 23.40	\$ 0.20 .30 .40 .40 .50 .50 .60 .70 .80 .90 1.10 1.20 1.40 1.50 1.60 1.70 1.80 1.90	\$ 7.10 7.40 7.80 8.20 8.70 9.70 10.70 11.40 12.20 13.10 14.80 15.80 16.80 17.80 18.90 20.00 21.10 22.20 24.60 26.00 27.50	\$ 8.00 8.30 9.10 9.60 10.70 11.70 12.40 13.20 14.10 15.90 16.90 17.90 20.00 21.10 22.40 23.50 24.70 25.90 27.30	\$ 8.00 8.70 9.10 9.60 10.70 11.70 12.40 13.20 14.10 15.90 17.90 18.90 20.00 21.10 22.40 23.50 24.70 25.90 27.30	\$ 8.90 9.20 10.00 10.50 11.70 12.70 13.40 15.19 17.00 18.00 19.00 20.00 21.10 22.20 24.80 26.30 27.20 28.60 30.10	\$ 0.30 .30 .40 .50 .60 .60 .70 .80 .90 1.10 1.30 1.40 1.50 1.70 1.70 1.80 1.70 1.90 1.90 1.90 1.90 1.90 1.90 1.90 1.9
		11.958	11.208	12.643 TYP			1 (1000)	1 23.30 AND C			1.90 IST PRIC RC-100	27.50 ES OF CH \$2.00			30.10	2.20
						-				SPROCKE			RC-131		ON SPROC	vere
=	346 388 402 444 445 445 554 445 554 468 668 702 744 778 802 884 888 902 946	7. 1984 8. 783 10. 370 10. 370 10. 370 10. 370 11. 1644 11. 1958 13. 547 11. 522 13. 547 17. 522 16. 727 17. 522 16. 727 18. 112 18. 132 18. 132 18. 132 18. 132 18. 132 18. 132 18. 132 18. 132 18. 132 18. 132 18. 132 18. 133 18. 133 18. 133 18. 133 18. 134 18. 135 18. 1	9. 620 9. 620 10. 414 11. 208 12. 003 13. 592 15. 18. 27 15. 18. 27 16. 772 17. 775 18. 362 19. 523 19. 523	10. 245 11. 844 11. 045 11. 844 12. 643 13. 341 11. 2643 13. 341 14. 240 15. 038 15. 038 15. 038 15. 038 16. 633 17. 430 17. 4	333333444955555555555555555555555555555	555555555555555556666666666666666666666	\$30.60 31.80 33.80 33.80 36.60 37.80 38.50 38.50 38.50 37.80 41.40 43.60 45.90 44.60 45.90 46.60 57.20 57.20 57.20 77.20	e prices i	"C" Stetable ab able to table ab able ab ab able ab		to in this didditional (18 0.80 80 80 80 80 80 80 80 80 80 80 80 80 8	\$10.50 111.40 112.40 114.90 114.40 115.80 116.80 117.40 117.40 118.20 118.20 119.20 11	\$12.10.00 113.00 114.00 115.00 116.50	\$12.00 112.90 113.90 11	\$13.60 14.50 16.50	8 0.303.000

FOR Silverlink ROLLER CHAINS

		TYP	: B	ST	EEL	FOR N	IOS. R	C-12O,	RC-15	1, RC-	154 A	ND RC	-155	CHAINS	;	11/2
Chain	—Рa	ges 4	4-45				LIST P	RICES ANI	DIMENS	IONS		Stoc	k Spro	kets—F	age 61	PITCI
Number of Teeth	Pitch Diam., Inches	†Root Diam., Inches	†Out- side Diam., Inches	Stand. Lgth.Th Bore, I	rough	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 4" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	L
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	3.920 4.386 4.854 5.324 5.796 6.268 6.741 7.215 7.689 8.163 8.638 8.9.113 9.589 10.064 11.016 11.492	3.979 4.449 4.921 5.393 5.866 6.340 6.814 7.288 7.763 8.238 8.714 9.189 9.189 9.165	5.021 5.517 6.009 6.498 6.986 7.473 7.958 8.441 8.925 9.407 9.890 10.371 11.333 11.333	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	500000000000000000000000000000000000000	\$ 8.00 9.00 9.00 10.20 11.10 12.10 13.30 14.60 15.90 17.20 18.50 19.80 21.20 22.60 24.00 25.40	\$ 8.90 9.40 9.90 10.70 11.30 12.20 13.20 14.40 15.70 17.30 18.60 19.90 21.20 22.60 24.20 25.60 27.00	\$ 8.90 9.40 9.90 10.70 11.30 12.20 13.20 14.40 15.70 18.60 19.90 22.60 24.20 24.20 27.00	\$ 9.80 10.30 10.80 11.80 12.40 13.30 14.30 15.50 16.80 20.00 21.30 22.60 24.00 25.80 27.20 28.60	\$ 0.30 .30 .40 .50 .60 .60 .80 .90 1.10 1.20 1.30 1.40 1.60 1.80	\$10.40 11.10 11.80 12.60 13.30 14.40 15.60 17.00 18.60 20.20 21.70 23.30 24.90 26.60 28.30 30.10 31.90	\$11.30 12.00 12.70 13.70 14.40 15.50 16.70 18.10 21.60 23.10 24.70 26.30 28.90 29.90 33.50	\$11.30 12.00 12.70 13.70 14.40 15.50 16.70 18.10 21.60 23.10 24.70 26.30 28.00 29.90 33.50	\$12.20 12.90 13.60 14.80 15.50 16.60 17.80 19.20 20.80 23.00 24.50 26.10 27.70 29.40 31.50 33.30 35.10	\$ 0.40 .50 .60 .70 .80 .90 1.00 1.30 1.40 1.50 1.60 1.70 1.90 2.10 2.30	TYPE
			TYP	C	s		AND C		RON	RC-120 RC-151	.\$2.60 . 2.40	RC-154. RC-155.	\$2.60 2.80			
18 20 22 24 26 30 32 34 36 38 36 38 40 42 44 46 65 52 54 66 67 72 74 74 76 78 88 89 99 99 99 99 99 99 99 99 99 99 99	23, 889 24, 843 25, 798 26, 752 27, 707 28, 661 29, 616 30, 570 31, 525 32, 479 33, 434 36, 298 37, 252 38, 207 39, 162 40, 116 41, 071 42, 026 44, 935 44, 884 45, 884	8.714.8 9. 6656 10. 617.1 11. 5699 12. 522.2 13. 4757 14. 428 15. 382.2 17. 228 18. 23. 1 19. 197 12. 1. 10. 10. 1 10. 1	13. 254 1. 13. 254 1. 14. 212 1. 15. 171 1. 14. 212 1. 15. 171 1. 17. 088 1. 18. 0455 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 916 1. 19. 052 0. 1	300000000000000000000000000000000000000	55555666666666666666666777788888888	For Pri- block, u \$31.20	sing Type se prices in hub					PRICESS 111 to 90	CAST III \$17.00 \$19.70 \$17.00 \$19.70	ON SPROC \$18.60 \$18.60 19.50 21.30 22.23 24.50 20.23 23.50 25.5	\$ 0.30 .300 .300 .300 .300 .300 .300 .300	TYPE

[†]For Diameters of RC-151 Sprockets, see page 56. *List Prices are for Solid Sprockets (Not Split).

^{*}List Prices are for Solid Sprockets (Not Split).

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 56.

For diameters of Sprockets with intermediate numbers of teeth, see page 56.
When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub length for Type "C" where.

	_											•				
13/4"	LIST \$	PRICE 0 3.00 Per	Foot	и Тү	PE	В		FOR I		C-140 AENSIONS	ROLLE	R CHA	IN Stoc	Chain- k Sproc	—Page i kets—F	\$4 'age 61
PITCH	Number	Pitch Diam.,	Diam	Outside Diam.,	Stand. Leth.Th Bore, I	rough	LIST PF With Plain	With	With	With Key Seet	For Bach Extra	With	PRICES-	With	With Key Seat	For Each
8	Teeth	Inches	Inches	Inches	Solid	Split		Key Seat	Set Screw	and Set Screw	Length	Plain Bore	Key Seat	Set Screw	and Set Screw	Length
200	8 9 10 11 12	4.573 5.117 5.663 6.212 6.762	4.117 4.663 5.212	5.857 6.437 7.011	21/8 21/8 21/8 23/8 23/8		\$ 9.00 9.60 10.40 11.50 13.00	\$ 9.90 10.50 11.30 12.60 14.10	\$ 9.90 10.50 11.30 12.60 14.10	\$10.80 11.40 12.20 13.70 15.20	\$ 0.40 .50 .60 .60	\$11.90 12.70 13.60 14.90 16.60	\$12.80 13.60 14.50 16.00 17.70	\$12.80 13.60 14.50 16.00 17.70	\$13.70 14.50 15.40 17.10 18.80	\$ 0.50 .60 .70 .80 1.00
TYPE B	13 14 15 16 17	7.313 7.864 8.417 8.970 9.524	6.864 7.417 7.970	8.719	238 216 216		14.50 16.00 17.60 19.10 20.70	15.60 17.10 19.00 20.50 22.10	15.60 17.10 19.00 20.50 22.10	16.70 18.20 20.40 21.90 23.50	.80 .90 1.00 1.10 1.20	18.40 20.20 22.00 23.90 25.90	19.50 21.30 23.40 25.30 27.30	19.50 21.30 23.40 25.30 27.30	20.60 22.40 24.80 26.70 28.70	1.10 1.20 1.30 1.40 1.60
IIFEB	18 19 20 21	10.078 10.632 11.187 11.742	9.632	12.100	212	61/2 61/2 61/2	22.30 23.90 25.50 27.10	23.70 25.60 27.20 28.80	23.70 25.60 27.20 28.80	25.10 27.30 28.90 30.50	1.40 1.60 1.80 1.90	27.80 29.80 31.80 33.80	29.20 31.50 33.50 35.50	29.20 31.50 33.50 35.50	30.60 33.20 35.20 37.20	1.80 1.90 2.10 2.30

TYPE **C** STEEL AND CAST IRON

					TYP	C	STEEL	AND C	AST IR	ON				
							S-STEEL			LIST	PRICES	CAST IR	ON SPRO	CKETS
18 19 20 21 22	10.632 11.187 11.742 12.297	9.078 10.974 9.632 11.538 0.187 12.100 0.742 12.661 1.297 13.22	31/2 31/2 31/2 31/2	619 619 619	block, \$33.00	use price tional h	"C" Stee s in abov ub length TEEL SPI \$34.60	e table pl charges COCKETS	us addi-	\$16.60 17.25 17.90 18.55 19.20	\$18.30 18.95 19.60 20.25 20.90	\$18.10 18.75 19.40 20.05 20.70	\$19.80 20.45 21.10 21.75 22.40	\$ 0.30 .30 .30 .30 .30
24 26 28 30 32	14 .518 1: 15 .630 1- 16 .742 1:	2 . 407 14 . 343 3 . 518 15 . 463 4 . 630 16 . 583 5 . 742 17 . 700 6 . 854 18 . 814	31/2 31/2 31/2 31/2	61/9 71/9 71/9 71/9 71/9	35.00 37.00 39.00 41.00 44.30	36.80 38.80 40.80 43.20 46.50	36.60 38.60 40.60 42.70 45.90	38.40 40.40 42.40 44.80 48.10	.60 .60 .60	20.60 22.00 23.30 24.70 26.10	22.30 23.70 25.00 26.70 28.10	22.10 23.50 24.80 26.20 27.60	23.80 25.20 26.50 28.20 29.60	.30 .30 .30 .30 .30
34 36 38 40 42	20.079 1 21.192 2 22.305 2	7.966 19.93 9.079 21.05 0.192 22.16 1.305 23.28 2.418 24.40	31/4 31/4	88888	47.40 50.60 53.70 56.90 60.00	49.60 52.80 55.90 59.50 62.60	49.00 52.20 55.30 58.50 61.60	51.20 54.40 56.50 61.10 64.20	.60 .60 .80 .80	27.50 28.90 30.50 32.20 33.90	29.50 30.90 32.50 34.60 36.30	29.00 30.40 32.00 33.70 35.40	31.00 32.40 34.00 36.10 37.80	.30 .40 .40 .40
44 46 48 50 52	25.6442 26.7572 27.8712	3.531 25.51 4.644 26.66 5.757 27.75 6.871 28.86 7.984 29.98	4	8 8 8 8 8 8	63.20 66.30 69.40 72.60 75.70	65.80 68.90 72.00 75.70 78.80	64.80 67.90 71.00 74.20 77.30	67.40 70.50 73.60 77.30 80.40	.80 .80 .80 .80	35.60 37.40 39.20 41.00 42.80	38.00 39.80 41.60 43.90 45.70	37.10 38.90 40.70 42.50 44.30	39.50 41.30 43.10 45.40 47.20	.40 .40 .40 .40
54 56 58 60 62	31.2113 32.3243 33.4383	9.097 31.09 0.211 32.21 1.324 33.32 2.438 34.44 3.551 35.55	414	819 819 819 819	79.00 82.00 85.20 88.30 91.50	82.10 85.10 88.30 91.90 95.10	80.60 83.60 86.80 89.90 93.10	83.70 86.70 89.90 93.50 96.70	1.00 1.00 1.00 1.00	44.60 46.40 48.30 50.20 52.20	47.50 49.30 51.20 53.50 55.50	46.10 47.90 49.80 51.70 53.70	49.00 50.80 52.70 55.00 57.00	.40 .50 .50 .50
64 66 68 70 72	36.77933 37.8923 39.0063	4 .665 36 .67 5 .779 37 .78 6 .892 38 .90 8 .006 40 .01 9 .120 41 .13	413	81/2	94.60 97.70 100.90 104.00 107.20	98.20 101.30 104.90 109.40 113.00	96.20 99.30 102.50 105.60 109.60	99.80 102.90 106.50 111.00 115.40	1.00 1.00 1.00 1.00 1.00	54.20 56.30 58.40 60.50 62.70	57.50 59.60 61.70 65.90 68.10	55.70 57.80 59.90 62.70 64.90	59.00 61.10 63.20 68.10 70.30	.50 .50 .50 .50
74 76 78 80 82	42.3474 43.4614 44.5754	0 . 233 42 . 24 1 . 347 43 . 36 2 . 461 44 . 47 3 . 575 45 . 59 4 . 689 46 . 70	5 5	10 10 10	110.30 113.50 116.60 119.80 124.50	116.10 119.30 122.60 126.00 131.00	112.70 115.90 119.00 122.20 126.90	118.50 121.70 125.00 128.40 133.40	1.20 1.20 1.20 1.20 1.20	64.90 67.10 69.30 71.60 73.90	70.30 72.50 75.00 77.30 79.60	67.10 69.30 71.50 73.80 76.10	72.50 74.70 77.20 79.50 81.80	.60 .60 .60
84 86 88 90 92	47.915 4 49.029 4 50.144 4	5 802 47 82 6 915 48 93 8 029 50 04 9 144 51 16 0 257 52 27	51/2 51/2 51/2	10 10 10	128.00 131.50 135.00 138.50 142.00	134.50 138.00 141.50 145.00 148.50	130.40 133.90 137.40 140.90 144.40	136.90 140.40 143.90 147.40 150.90	1.20 1.20 1.20 1.20 1.20	76.20 78.50 80.80 83.10 85.40	82.30 84.60 86.90 89.60 91.90	78.40 80.70 83.00 85.30 87.60	84.50 86.80 89.10 91.80 94.10	.60 .60 .60
94 96	53.485 5	1.371 53.390 2.485 54.506 intermediate	51/2	10	145.50 149.00	152.00 155.50	147.90 151.40	154.40 157.90	1.20 1.20	87.70 90.00	94.20 96.50	89.90 92.20	96.40 98.70	.60 .60

For diameters of Sprockets with intermediate numbers of teeth, see page 56.
When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B", it is necessary to provide extra hub length as indicated by tabled he lengths for Type "C" when the screws is the screws of the screw of the screws of the screw of the screws of

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FOR NOS. RC-140 AND RC-160 Silverlink ROLLER CHAINS

				-			LIST PRIC	ES AND	DIMENSIO	NS.					
				Stand.		LIST PI	RICES-NO	T HARD	ENED SPE	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam.,	Root Diam., Inches	Outside Diam., Inches	Dore, A	nches	With	With One Key	With One Set	With Key Seat and Set	For Each Extra M" Hub	With	With One Key	With One Set	With Key Seat and Set	For Each Extra
1000	Aucuca	Attende		Solid	Split	Bore	Seat	Screw	Screw	Length	Bore	Seat	Screw	Screw	Length
8 9 10 11 12	5.226 5.848 6.472 7.099 7.727	4.101 4.723 5.347 5.974 6.602	6.028 6.694 7.356 8.012 8.664	214 214 214		12.80 14.30	\$11.30 12.60 13.90 15.70 17.10	\$11.30 12.60 13.90 15.70 17.10	\$12.40 13.70 15.00 17.10 18.50	\$ 0.50 .60 .60 .70	\$13.50 15.00 16.50 18.40 20.10	\$14.60 16.10 17.60 19.80 21.50	\$14.60 16.10 17.60 19.80 21.50	\$15.70 17.20 18.70 21.20 22.90	\$ 0.60 .70 .80 1.00 1.10
17	8.357 8.988 9.620 10.252 10.885	9.127 9.760	9.964 10.610 11.254 11.900	21/2 21/2 23/4 23/4	61/2	19.80 22.00 24.20 26.40	18.90 21.20 23.70 25.90 28.10	18.90 21.20 23.70 25.90 28.10 30.40	20.30 22.60 25.40 27.60 29.80 32.10	1.00 1.20 1.40 1.60 1.80	22.30 25.20 27.90 30.70 33.40	23.70 26.60 29.60 32.40 35.10	23.70 26.60 29.60 32.40 35.10	25.10 28.00 31.30 34.10 36.80	1.40 1.60 1.90 2.00 2.20
18	11.518	10.393	12.542	23/4	61/2	28.70	30.40	30.40	32.10	1.90	36.30	38.00	38.00	39.70	2.40

TYPE C STEEL AND CAST IRON

			L	ST PRICE	LS—STERL	SPROCK	ETS	LIST	PRICES-	CAST IR	ON SPRO	KETS
20 21 22 23 24	12.785 11.660 13.828 13.419 12.294 14.470 14.053 12.928 15.110 14.688 13.563 15.750 15.323 14.198 16.392	4 61 4 61 4 61 4 61 4 61	43.10	\$40.50 42.20 43.90 45.60 47.30	\$39.60 41.30 43.00 44.70 46.40	\$42.10 43.80 45.50 47.20 48.90	\$ 0.60 .60 .60 .60	\$22.50 23.55 24.60 25.65 26.70	\$24.80 25.85 26.90 27.95 29.00	\$24.00 25.05 26.10 27.15 28.20	\$26.30 27.35 28.40 29.45 30.50	\$ 0.30 .30 .30 .30 .30
25 26 27 28 29	15.958 14.833 17.032 16.593 15.468 17.672 17.228 16.103 18.312 17.863 16.738 18.950 18.498 17.373 19.590	4 61 4 71 4 71 414 71 414 71	48.20 50.35	49.00 50.70 52.85 55.00 57.25	48.10 49.80 51.95 54.10 56.10	50.60 52.30 54.45 56.60 59.35	.60 .60 .80	27.75 28.80 29.95 31.10 32.30	30.05 31.10 32.50 33.90 35.10	29.25 30.30 31.45 32.60 33.80	31.55 32.60 34.00 35.40 36.60	.30 .30 .30 .40
30 31 32 33 34	19.134 18.009 20.228 19.769 18.644 20.868 20.405 19.280 21.506 21.040 19.915 22.144 21.676 20.551 22.784	414 71 414 71 414 71 414 8 414 8	58.50	59.50 61.50 63.50 65.50 67.50	58.10 60.10 62.10 64.10 66.10	62.10 64.10 66.10 68.05 70.00	.80 .80 .80 .80	33.50 34.70 35.90 37.10 38.30	36.30 37.50 38.70 39.90 41.10	35.00 36.20 37.40 38.60 39.80	37.80 39.00 40.20 41.40 42.60	.40 .40 .40 .40
35 36 37 38 39	22 312 21 187 23 422 22 947 21 822 24 060 23 583 22 458 24 698 24 219 23 094 25 336 24 855 23 730 25 974	414 8 414 8 414 8 414 8 415 8	66.50 68.50 70.80 73.10 75.30	69.50 71.50 73.80 76.10 78.50	68.10 70.10 72.40 74.70 76.90	72.05 74.10 76.40 78.70 80.60	1.00 1.00 1.00 1.00	39.50 40.70 42.10 43.50 44.90	42.30 43.50 45.10 46.70 48.10	41.00 42.20 43.60 45.00 46.40	43.80 45.00 46.60 48.20 49.60	.40 .50 .50 .50
40 41 42 44 46	25.491 24.366 26.612 26.12725.002 27.250 26.76325.638 27.888 28.03526.910 29.164 29.307 28.18230.438	414 8 414 8 414 8 414 8 414 8	77.50 79.75 82.00 86.40 90.80	80.90 83.15 85.40 89.80 94.20	79.10 81.35 83.60 88.00 92.40	82.50 84.75 87.00 91.40 95.80	1.00 1.00 1.00 1.00 1.20	46.30 47.75 49.20 52.10 54.90	49.50 50.95 52.40 55.30 58.10	47.80 49.25 50.70 53.60 56.40	51.00 52.45 53.90 56.80 59.60	.50 .50 .50 .50
48 50 52 54 56	30 580 29 455 31 714 31 852 30 727 32 990 33 124 31 999 34 264 34 397 33 272 35 538 35 669 34 544 36 812	5 83	95.30 99.70 104.10 108.60 113.00	98.70 103.30 107.90 112.40 116.80	96.90 101.30 105.70 110.20 114.60	100.30 104.90 109.50 114.00 118.40	1.20 1.20 1.20 1.40 1.40	58.60 62.30 66.10 69.90 73.70	61.80 65.50 69.60 73.40 77.20	60.10 63.80 67.60 71.40 75.20	63.30 67.00 71.10 74.90 78.70	.60 .60 .60
58 60 62 64 66	36.942 35.817 38.088 38.215 37.090 39.362 39.487 38.362 40.636 40.760 39.635 41.910 42.033 40.908 43.186	5 81 5 81 5 81	117.50 121.90 126.40 130.80 135.20	121.30 125.70 132.60 137.10 141.90	119.10 123.50 128.80 133.20 137.60	122.90 127.30 135.00 139.50 144.30	1.40 1.40 1.40 1.60 1.60	77.50 81.30 85.00 88.70 92.40	81.00 84.80 90.70 94.40 98.60	79.00 82.80 87.20 90.90 94.60	82.50 86.30 92.90 96.60 100.80	.60 .60 .60 .70
68 70 72 74 76	43.306 42.181 44.460 44.578 43.453 45.734 45.851 44.726 47.008 47.124 45.999 48.282 48.397 47.272 49.556	5 81	139.70 144.10 148.60 153.00 157.40	146.40 151.30 155.80 160.60 165.00	142.10 146.50 151.00 155.40 159.80	148.90 153.70 156.20 163.00 167.40	1.60 1.60 1.80 1.80 1.80	96.20 100.00 103.80 107.60 111.40	102.40 106.70 110.50 114.60 118.40	98.40 102.20 106.00 109.80 113.60	104.60 108.90 112.70 116.80 120.60	.70 .70 .80 .80
78 80 81	49.670 48.545 50.830 50.943 49.818 52.104 51.579 50.454 52.740	51/2 10 51/2 10 51/2 10	161.90 166.30 168.50	169.90 174.30 176.50	164.30 168.70 170.90	173.30 176.70 178.90	1.80 1.80 1.80	115.30 119.20 121.20	122.70 126.60 128.60	117.50 121.40 123.40	124.90 128.80 130.80	.80 .80

Sprockets with intermediate numbers of teeth are priced proportionately between listed

List Prices are for Solid Sprockets (Not Split).

For diameters of Sprockets with intermediate numbers of teeth, see page 57.

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hul

	m	PES	В	AND	• (_ s1	EEL A	AND (CAST	IRON	FOR	NO.	RC-20	00 CH	IAIN	
Chain	Page	44						PRICES A	ND DIM	ENSIONS						
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Stand. Lgth Th Hore, Is Solid	rough sches	With Plain Bore	With One Keyseat	With One Setscrew	With Keyseat and Setscrev	For Each Extra 1/4" Hub Length	Number of Teeth	With Plain Bore	With One Keyseat	With One Setscrew	With Keyseat and Setscrew	For Education Extra Hu
9 10 11 12	7.310 8.090 8.872 9.660	8.098	9.195 10.015 10.830	3 3 3 3!⁄2		\$23.00 29.00 35.00 41.00	\$25.50 31.50 37.50 43.50	\$24.20 30.20 36.20 42.20	\$26.70 32.70 38.70 44.70	\$ 0.85 .85 .85 .85	9 10 11 12					
13	10.447		11.643 12.455	31/2		46.00	48.50 50.50	47.20	49.70	.85	13	\$30.00	\$32.50 35.50	\$31.20	\$33.70 36.70	\$ 0.8
15 16 17 18	12.025 12.815 13.605	10.463 11.253 12.043	13.263 14.068 14.875 15.678		81/2 81/2 81/2 81/2	50.00 52.00 55.00 58.00	52 50 54 50 57 50 60 50	51.20 53.20 56.20 59.20	53.70 55.70 58.70 61.70	.85 1.00 1.00 1.00	15 16 17 18	35.00 37.00 39.00 41.00	37.50 39.50 41.50 43.50	36.20 38.20 40.20 42.20	38.70 40.70 42.70 44.70	.8
19 20 21 22 23	15.982 16.775	14.420 15.213 16.005	16.483 17.285 18.088 18.888 19.688	416	81/2 81/2 81/2 81/2 81/2	68.00 72.00	64.50 67.50 70.50 74.50 77.50	63.20 66.20 69.20 73.20 76.20	65.70 68.70 71.70 75.70 78.70	1.15 1.15 1.15 1.15 1.15	19 20 21 22 23	43.00 46.00 49.00 52.00 55.00	45.50 48.50 51.50 54.50 57.50	44 .20 47 .20 50 .20 53 .20 56 .20	46.70 49.70 52.70 55.70 58.70	.8 .8
24 25 26 27		17.590 18.385 19.178	20.490 21.290 22.090 22.890	5 5 5	814 814 814 814 814 814	79.00 82.00 86.00 90.00	81.50 84.50 89.00 93.00 97.00	80.20 83.20 87.50 91.50 95.50	82.70 85.70 90.50 94.50 98.50	1.15 1.15 1.70 1.70 1.70	24 25 26 27 28 8	57.00 60 00 63.00 64.00	59.50 62.50 66.00 67.00 68.00	58.20 61.20 64.50 65.50 66.50	60.70 63.70 67.50 68.50 69.50	.8 .8 .8
29 € 30 € 31 € 32 €	23.122 23.917	21.560 22.355 23.150 23.943	24.488 25.285 26.085 26.883	5	81/2 81/2 81/2 81/2	98.00 102.00 106.00 110.00	101.00 105.00 109.00 113.00 118.00	99.50 103.50 107.50 111.50 116.50	102.50 106.50 110.50 114.50 119.50	1.70 1.70 1.70 1.70 1.70	30 31 32 4100	66.00 68.00 69.00 70.00 71.00	69.00 71.00 72.00 73.00 74.00	67.50 69.50 70.50 71.50 72.50	70.50 72.50 73.50 74.50 75.50	
34 IS 01 91 36 91 37 91	27.095	25.533 26.328 27.123 27.918	28.480 29.278 30.075 30.873	5 5 5 5 5 5 5 2 5	81/2 81/2 10 10	119.00 123.00	122.00 126.00 129.00 132.00 134.00	120.50 124.50 127.50 130.50 132.50	123.50 127.50 130.50 133.50 135.50	1.70 1.80 1.80 1.80 1.80	34 E 35 SE 37 SE 3	72.00 74.00 75.00 77.00 78.00	75.00 77.00 78.00 80.00 81.00	73.50 75.50 76.50 78.50 79.50	76.50 78.50 79.50 81.50 82.50	
39.8 40m 42: 43 d	31.070 31.865	29.508 30.303 31.893 32.688	32.468 33.265 34.860 35.658	51/2 51/2 51/2 51/2 51/2	10 10 10 10	134.00 137.00 142.00 145.00	137.00 140.00 145.00 148.00 151.00	135.50 138.50 143.50 146.50 149.50	138.50 141.50 146.50 149.50 152.50	1.80 1.80 1.80 1.80 1.80	39 40 42 43 44 44 44 44 44 44 44 44 44 44 44 44	80.00 82.00 85.00	83.00 85.00 88.00 90.00 92.00	81 50 83 50 86 50 88 50 90 50	84.50 86.50 89.50 91.50 93.50	9999
45 54 46 8 47 5 48 4	35.840 36.635 37.430 38.225 39.020	34 . 278 35 . 073 35 . 868 36 . 663	37.253 38.048 38.845 39.643	51/2		151.00 157.00	154.00	152.50 158.50 164.50 170.50 176.50	155.50 161.50 167.50 173.50 179.50	2.00 2.00 2.00 2.00 2.00	45 9	90.00 93.00 95.00 98.00 100.00	93.00 96.00 98.00 101.00 103.00	91.50 94.50 96.50 99.50 101.50	94.50 97.50 99.50 102.50 104.50	1.0 1.0 1.0
51 ∰ 52 8 53 ⊢	39.815 40.610 41.405 42.200 42.995	39.048 39.843 40.638	42.033 42.830 43.628	5½ 6 6 6	10	182.00 188.00 194.00 200.00 206.00	185.00 191.00 197.00 203.00 209.00	183.50 189.50 195.50 201.50 207.50	186.50 192.50 198.50 204.50 210.50	2.00 2.00 2.00 2.00 2.00	50 g 51 q 52 q	103.00 106.00 108.00 111.00 113.00	111.00 114.00	104.50 107.50 109.50 112.50	107.50 110.50 112.50 115.50 117.50	1.0 1.0 1.0 1.0
55 g	43.792	42.230 43.820 45.410 46.205	45.220 46.813 48.408 49.203	6 6 6	11 11 11 11	212.00 225.00 237.00	215.00 228.00 240.00 246.00 253.00	213.50 226.50 238.50 244.50 251.50	216.50 229.50 241.50 247.50 254.50	2.00 2.00 2.00 2.20 2.20	55 0 57 6 59 60 61		119.00 124.00	117.50 122.50 127.50 130.50 134.50	120.50 125.50 130.50 133.50 137.50	1.0
62 63 64 65	49.360 50.155 50.950 51.745 52.540	47.798 48.593 49.388 50.183	50.795 51.593 52.388 53.185	6 6 6 6 6 6 6 2	11 11 11 11	257.00 264.00 271.00 278.00 289.00	260.00 267.00 274.00 281.00 292.00	258.50 265.50 272.50 279.50 290.50	261.50 268.50 275.50 282.50 293.50	2.20 2.20 2.20 2.20 2.20	62 63 64 65 66	136.00 140.00 143.00 147.00 151.00	139.00 143.00 146.00 150.00	137.50 141.50 144.50 148.50	140.50 144.50 147.50 151.50 155.50	1.1
73 74	55.722 57.315 58.110 58.905 59.700	55.753 56.548 57.343	58.760 59.555 60.353	61/2 61/2 61/2 61/2	11 11 11 11 11	312.00 322.00 326.00 331.00 336.00	339.00	313.50 323.50 327.50 332.50 337.50	316.50 326.50 330.50 335.50 340.50	2.30 2.30 2.30 2.30 2.30	70 72 73 74 75	165.00 171.00 174.00 177.00 180.00	168.00 174.00 177.00 180.00 183.00		169.50 175.50 178.50 181.50 184.50	1.1 1.1 1.1 1.1
78 80	61.292 62.087 63.677 64.475	60.525 62.115	63.538 65.130	7 7 7	11	345.00 349.00 358.00 364.00	348.00 352.00 361.00 367.00	346.50 350.50 359.50 365.50	349.50 353.50 362.50 368.50	2.30 2.30 2.30 2.30	77 78 80 81	185.00 188.00 194.00 198.00	188.00 191.00 197.00 201.00	195 50	189.00 192.50 198.50 202.50	1.1

FOR Silverlink ROLLER CHAINS

								PE ,	A:	STEEL						Ch	ain P	ages	44-45	3/8"
of Die	itch Riem., Die	ım., I	Outside Diam., nches		ST PR	ICES ardened	No. 1	Pitch Piam	Root C	Dutside	LIST PE	ICES	No. of Teeth	Pitch Diam., Inches	Roc Dian Inch	t Ot	utside	LIST P		PITCH
						FOR	3/8	INCH		H NO.	RC-3	CH	AIN							B
16 1 17 2 18 2 20 2 21 2 22 2 24 2 25 2 26 3	331 1 449 1. 567 1 685 1 804 1 922 1 041 1 159 1 278 2 397 2 516 2	911 030 149 168	1 136 1 256 1 379 1 502 1 625 1 746 1 868 2 110 2 231 2 352 2 472 2 593 2 953 2 953 3 194 3 3 194 3 3 134 3 3 673 3 793 3 793	onomnomonom	15 15 15 15 15 15 15 15 15 15 15 15 15 1	4 70 4 70 4 70 4 70 4 75 4 75 4 75 4 75 4 75 4 75 4 75 4 85 4 85 4 85 4 85 4 85 4 85 4 85 4 8	34 36 38 40 42 44 44 48 50 52 54 56 60 62 64 68 70	3. 826 3. 945 4. 064 4. 303 4. 541 4. 790 5. 257 5. 496 5. 734 5. 722 6. 449 6. 638 6. 927 7. 165 7. 404 7. 7. 642 7. 7. 642 7. 7. 642 7. 7. 642 8. 358 8. 358 8. 597 9. 7. 642 9. 7. 642 9. 7. 642 9. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	5.772 6.011 6.249 6.488	4 .032 4 .152 4 .152 4 .272 4 .511 4 .950 5 .468 5 .946 6 .185 5 .946 6 .185 6 .693 7 .142 7 .619 8 .331 7 .619 8 .331 8 .331 8 .331 8 .331 8 .331 9 .0331 9 .	\$3.30 3.35 3.40 3.340 3.50 3.50 3.50 3.50 3.50 3.70 3.70 3.70 3.70 3.80 4.00 4.10 4.20	\$4,90 5,00 5,10 5,10 5,20 5,20 5,35 5,35 5,55 5,55 5,55 5,55 5,55 5,5	100 102 104 106 108 110 112	9 313 9 552 9 .790 10 .029 10 .258 10 .506 10 .745 10 .984 11 .221 11 .401 11 .900 11 .461 12 .655 12 .177 13 .609 13 .848 14 .025 13 .609 13 .848 14 .025	9 .1 9 .3 9 .55 9 .85 10 .00 10 .3 11 .05 11 .7 11 .5 11 .7 11 .2 11 .2 11 .2 11 .2 11 .2 11 .3 11 .3 11 .3 12 .2 13 .4 13 .6 13 .6 13 .6 13 .6 13 .8 14 .1 15 .1 16 .1 17 .1 18 .1 19 .1 19 .1 19 .1 19 .1 10 .1 10 .1 10 .1 11 .5 11 .5 11 .2 11 .2 11 .2 11 .2 12 .2 13 .6 14 .1 15 .1 16 .1 17 .1 18 .1 18 .1 19 .1 19 .1 19 .1 19 .1 19 .1 19 .1 19 .1 19 .1 19 .1 10 .1 10 .1 10 .1 11 .5 11 .5 11 .5 12 .2 13 .4 14 .1 15 .1 16 .1 17 .1 18 .1 18 .1 18 .1 19 .1 19 .1 19 .1 10	5 10 4 11 2 11 1 11 1 11 1 11 1 11 1 11 1 11	441 680 919 158 397 635 874	54.20 4.30 4.30 4.30 4.40 4.40 4.40 4.50 4.50 4.50 4.60 4.70 4.80 4.90 4.90 4.90 5.00 5.00	96.25 6.40 6.40 6.40	TYPE A
Number	Pitch	Roo	t Diam		Dutside		LIST I	RICES	1 RC-42	Numbe	r Pitch	Ro	ot Diam	., Out		RC		PRICES	RC-42	
of Teeth	Diam., Inches	RC-4	RC-		Diam., Inches	Not Hard-	Hard- ened	Not Hard	RC-43 Hard- ened	of Teeth	Diam. Inches	RC-	40 RC	41 Dia	m.,	Not lard-	Hard- ened	Not Hard- ened	Hard- ened	
		-	1/2	INC	Н Р		-NOS	. RC-	40, R	C-41,	RC-42	AN	D RO		CHA					
8 9 9 10 11 1 12 13 14 15 16 17 18 19 9 22 12 22 23 24 24 24 24 24 24 44 46 8 50	1. 307 1. 462 2. 089 2. 089 3. 355 2. 22 2. 22 2. 247 2. 405 3. 355 3. 353 3. 353 3. 367 3. 3	1. 44 1. 62 2. 02 2. 24 2. 57 2. 88 3. 02 3. 35 3. 35 3. 35 3. 35 3. 35 4. 47 4. 47 4. 57 4. 57 5. 60 6. 60 60 60 60 60 60 60 60 60 60 60 60 60 6	95 1 0 90 1 1 91 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	001 156 312 312 312 312 312 312 312 312	1 507 1 674 1 674 2 003 2 12 166 2 329 2 167 2 653 3 136 6 653 3 137 3 457 3 136 4 258 4 258 4 258 4 258 5 567 5 566 6 6 6 6 6 6 6 6 6 6 72 7 7 90 7 7 92 7 7 92 7 7 92 7 8 247	\$3.30 3.33 3.35 3.35 3.35 3.35 3.35 3.35	\$4 90 4 905 4 4 955 4 4 955 5 1010 10115 1	\$3 .22 3 3 22 3 3 22 3 3 3 3 3 3 3 3 3 3	\$4.805.4.4.4.805.4.4.4.805.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	524 554 556 568 662 668 702 744 774 774 774 774 774 774 774 774 77	8.29 8.59 8.59 9.22 8.99 9.65 9.67 9.67 9.67 9.67 9.67 9.67 9.67 9.67	11 7.99 8.266 8.99 8.266 8.99 9.82 9.90 9.81 8.22 9.56 8.80 9.11 11.4 4.92 9.82 9.83 9.11 11.4 4.92 9.83 9.11 11.4 4.92 9.83 9.11 11.4 4.92 9.12 9.13 9.14 9.14 9.15 9.15 9.15 9.15 9.15 9.15 9.15 9.15	69 7. 37 8. 37 8. 38 8. 58 9.	975 8. 8. 937 8. 8. 938 8. 938 8. 938 8. 938 938 938 938 938 938 938 938 938 938	566(8) 5885 5222 523 541 578 678 678 678 678 678 678 678 678 678 6	20 30 30 40 50 60 70 80 90 20 20 20 20 40 60 60 70 80 80 80 80 80 80 80 80 80 80 80 80 80		\$4.10 4.10 4.20 4.20 4.30 4.30 4.50 4.70 4.50 5.50 5.50 5.50 6.20 6.20 7.20 7.60 8.20 8.20 8.20 8.20 8.20 8.20 8.20 8.2	\$6.10 6.10 6.125 6.25 6.40 6.40 6.405 6.700 7.15 7.30 8.05 8.05 8.05 8.05 8.05 8.05 8.05 8.0	1/2" PITCH
No. of Ho in Sprock	oles Dril		For Dr an- ounter			of Holes procket	For Drillin Only		Drilling and stersinkin	No. of I	Holes D	for illing inly	For D	sinking	lo, of in Spr	xket	For Drillin Only	Count	Drilling and ersinking	
4 6	\$1. 2.	85	\$2.9 3.3	6	-40 CF	8 12	\$2.25 2.50	1 8	3.75 4.20	4 6	NO:	.75 .90	\$2.0 3.1	11, RC-4	2 AN 8 12	D RC	\$2.10 2.30	\$3	3.40	
SPL	IT TYPE	PLAT	E SPR	OCK	ETS A	id \$0.1	0 Per I	nch of	Sprock	et Pitch	Diamet	er to	List Pr	ices Ab	ove.					

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sprockets with intermediate numbers of teeth, see page \$3.

									A		EEL PI						—Page	
1	No.	Pitch Diam.,	Root Diam.,	Outside Diam.,		RICES	No.	Pitch Diam	Root Diam.	Outsid Diam.		PRICES	No.	Pitch	1	Root Diam.	Outside Diam.,	PRICE Not
	Teeth	Inches	Inches		Not Hardened	Hardened	Teeth	Inches	Inches	Inches	Not Hardene	Hardened	Teeth	Inche		Inches	Inches	Not Harden
					FOR	5/8 IN	ICH	PITCH		s. RC		ND RC-	52 C	HAIN				
	8 9 10 11 12 13 14 15 166 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1	1. 633 1. 827 2. 023 2. 219 2. 415 2. 612 2. 809 3. 006 3. 401 3. 599 3. 797 3. 995 4. 194 4. 788 4. 788 4. 987 5. 185 5. 584 5. 5781 5. 781 5. 781 5. 781	1. 427 1. 623 1. 819 2. 015 2. 212 2. 409 2. 804 3. 001 3. 199 3. 595 3. 794 4. 388 4. 585 4. 785 4. 984 5. 182 5. 579	3. 314 3. 517 3. 517 3. 719 3. 919 4. 121 4. 321 4. 722 4. 722 4. 722 5. 123 5. 523 5. 723 5. 723 6. 122 6. 321	\$3.40 3.40 3.45 3.45 3.45 3.45 3.50 3.55 3.55 3.55 3.55 3.55 3.55 3.5	\$5.10 5.5.10 5.5.15 5.5.15 5.5.15 5.5.33 5.5.33 5.5.33 5.5.33 5.5.56 6.57 8.55 5.55 5.55 6.57 8.55 6.55	56 58 60 62 64 66 68 70 72 74	11.14 11.54 11.94 12.34 12.73 13.13 13.53 13.93 14.32 14.72	5 6.173 4 6.374 6.775 9 7.166 6 7.566 3 7.566 3 7.566 3 8.756 9 8.756 9 9.154 4 9.55 1 9.95 1 9.95 1 9.95 1 1 9.95 1	6. 924 7. 121 7. 511 7. 511 7. 911 8. 8. 31 8. 71 9. 511 10. 300 11. 100 11. 500 11. 500 11. 698 13. 89 14. 299 14. 698 15. 088	0 4.10 9 4.20 8 4.30 6 4.40 6 4.60 1 4.60 1 4.80 8 5.00 8 5.50 9 5.50 9 5.50 9 6.60 9 6.60 9 6.60 9 6.60	\$6.00 6.10 6.30 6.45 6.60 6.70 7.05 7.20 7.50 7.80 7.95 8.55 8.55 8.70 9.30 9.60	78 80 82 84 86 88 90 92 94 96 98 100 102 104 106 112 114 116 118 120	15.5 15.9 16.3 16.7 17.1 17.5 17.9 18.7 19.1 19.5 19.8 20.2 20.6 21.0 21.4 22.2 22.6 23.4 23.8	20 17 15 13 11 109 06 04 02 00 08 95 93 91	15. 122 15. 520 16. 917 16. 315 16. 713 17. 111 17. 509 18. 304 18. 702 19. 100 19. 486 20. 293 20. 691 21. 487 22. 283 22. 680 23. 476	15. 884 16. 283 17. 476 17. 476 17. 476 18. 273 19. 069 19. 864 20. 263 20. 661 21. 457 22. 253 22. 651 23. 447 23. 845 24. 243	\$7.24 7.74 7.77 8.0 8.6 8.9 9.2 11.7 11.9 12.16 12.3 12.5 12.7 12.9 13.1 14.0 14.3 14.6
	31	6.178	5.778	6.521	3.95	5.90	76	15.12	14.72			10000						
	5	PLIT TY	PE PLA	TE SPR	OCKETS		_			PRICES-						BOLT I		
					ocket Pi	tch	No. α in Sp	Holes rocket	For Di On	y	For Dril	reinking	No. of in Spr	Holes ocket	,	Drilling Only		rilling an ersinking
	Diam	eter to	List Pr	ices Abo	ove.			6	\$1.4 2.0	50	\$2. 3.	95 35	12	- 1	8	2.25 2.50	1 4	.75
	_														_			
							_											
	No. of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Not Hardened	RICES	No. of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outsid Diam. Inchts		PRICES d Hardenes	No. of Teeth	Pitc Dian Inch	h h, es	Root Diam., Inches	Outside Diam., Inches	PRIC
	of Teeth	Diam., Inches	Diam., Inches	Inches	Not Hardened	Hardened	of Teeth	Diam., Inches	Diam., Inches	Diam. Inches	Not Hardene	Hardene	Teeth	Inch and	RC	Diam., Inches	Inches	PRIC Not Harden
		Diam., Inches	Diam., Inches Inches 1.491 1.724 1.958 2.193 2.425 2.668 2.902 3.138 3.613 3.850 4.326 4.563 4.088 4.326 5.575 5.753 5.993 6.4800 6.486	Diam. Inches 4 INC 2 261 2 2510 2 759 3 3055 3 249 3 3737 3 3737 3 4 463 4 703 4 463 5 186 5 5 66 6 5 906 6 387 6 687 7 106 7 7 346	Not Hardened # PITO \$3.50 3.50 3.50 3.50 3.75 3.80 3.75 3.80 3.75 3.80 3.90 4.05 4.10 4.12 4.25 4.35 4.45	Hardened	of Teeth 32 33 34 36 38 40 42 44 46 48 50 52 54 56 60 60 64	Diam Inches 7.69 8.12 8.60 9.55 10.03 10.51 10.99 11.46 11.94 12.42 12.89 13.37 14.33 14.33 14.33 15.76 16.24 17.19	Diam., Inches RC-6 2 7.18 9 7.42 9 7.65 5 8.13 2 8.61 9 9.09 6 9.56 3 10.04 0 10.52 7 10.99 5 11.47 2 11.95 9 12.43 6 12.90 3 13.38 113.86	Diam. 1 8 30 6 8 8 6 6 8 8 9 5 0 9 9 8 8 1 1 8 3 0 0 9 9 8 7 1 0 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Not Hardens :-76, R	Hardenese C-77, F	of Teeth	Inch	RC 49 49 226 336 558 336 336 339 648 45 45 45 45 47 47 47 47 47 47 47 47 47 47	Diam., Inches	Diam., Inches	\$ 10.5 13.8 14.2 15.0 15.4 15.4 16.2 16.2 16.2 17.4 17.4 17.4 19.4 19.4 19.8 20.2 20.6 21.4
	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 27 28 29 30 31	1.960 2.193 2.422 2.662 2.896 3.377 3.607 3.844 4.083 4.555 4.793 5.508 5.746 5.924 6.693 7.175 7.413	Diam., Inches 1.491 1.491 1.724 1.72	Diam. Inches 4 INC 2.261 2.510 2.759 3.005 3.249 3.3979 4.220 4.463 4.759 4.945 5.186 5.186 6.147 6.627 7.106 7.346 7.586 7.826	Not Hardense	Hardened St. 30 St. 30 St. 30 St. 30 St. 35 St. 50 St. 65 St. 75 St. 80 St. 65 St. 75 St. 80 St. 60 St. 65 St. 75 St. 80 St. 60	of Teeth 32 33 34 36 38 40 42 44 46 56 52 54 66 66 68 70 72	Diam Inches 7.69 8.12 8.60 9.55 10.03 10.51 10.99 11.46 11.94 12.42 12.89 13.37 14.33 14.33 14.33 15.76 16.24 17.19	Diam. Inches PRC-6 2 7. 18 0 7. 42 9 7. 66 5 8. 13 2 8. 61 9 9. 09 9 9. 09 9 9. 09 0 10. 52 7 10. 99 5 51 1. 47 2 2 11. 95 5 11. 47 2 2 11. 95 9 12. 43 6 12. 90 3 13. 38 1 13. 86 1 13. 86 1 13. 86 1 13. 86 1 14. 81 2 14. 81 2 15. 29 0 15. 77 7 16. 24 4 16. 72 1 17. 20	Diam. 1 8 30 6 8 8 6 6 8 8 9 5 0 9 9 8 8 1 1 8 3 0 0 9 9 8 7 1 0 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Not Hardene 1	G-77, F S 7.00 7.10 7.15 7.15 7.30 7.45 7.76 7.76 7.76 8.80 9.20 9.60 10.00 10.50	Teeth	Diam Inch and IR. 1	RC 499 226 3381 558 336 336 336 452 200 777 544 422 200 887 644 442 997 744 551	Diam. Inches 17, 680 18, 157 18, 635 19, 112 19, 112 19, 589 20, 067 20, 544 21, 021 21, 499 21, 976 22, 453 22, 453 22, 453 22, 453 22, 453 24, 363 24, 363 24, 363 25, 518 26, 750 27, 228 27, 705	Diam, Inches 18. 584 19. 051 19. 539 20. 017 20. 495 20. 972 21. 449 21. 927 22. 405 22. 883 23. 387 24. 319 25. 271 24. 319 25. 748 26. 226 27. 181 27. 659 28. 614 29. 091	\$ 10.7 13.4 13.8 14.2 14.6 15.0 15.4 16.2 16.6 17.0 17.4 17.8 18.2 18.6 19.0 19.4 19.8 20.2 20.6 21.0
	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 27 28 29 30 31	Diam. Inches 1. 960 2. 193 2. 193 2. 422 2. 662 2. 898 3. 373 3. 670 3. 844 4. 083 4. 755 4. 795 5. 744 5. 598 6. 407 7. 413	Diam., 1 491 1. 724 1. 1. 958 1. 1. 958 1. 1. 958 1. 1. 958 1. 2. 193 1. 724 1. 958 1.	Diam. Inches Value Value	Not Hardense	Hardened H—Ne \$5.30 5.30 5.35 5.50 5.60 5.70 5.80 6.05 6.00 6.05 6.105 6.105 6.45 6.50 6.70 6.85 6.95	of Teeth ss. R 32 33 34 36 38 40 42 44 46 48 50 52 54 66 68 70 72 74	Diam Inches 7.69 8.12 8.60 9.55 10.03 10.51 10.99 11.46 11.94 12.42 12.89 13.37 14.33 14.33 14.33 15.76 16.24 17.19	Diam. Inches PRC-6 2 7. 18 0 7. 42 9 7. 66 5 8. 13 2 8. 61 9 9. 09 9 9. 09 9 9. 09 0 10. 52 7 10. 99 5 51 1. 47 2 2 11. 95 5 11. 47 2 2 11. 95 9 12. 43 6 12. 90 3 13. 38 1 13. 86 1 13. 86 1 13. 86 1 13. 86 1 14. 81 2 14. 81 2 15. 29 0 15. 77 7 16. 24 4 16. 72 1 17. 20	Diam. Inches 2, RC	Not Hardene 1	d Hardeness C-77, \$ 37,00 7,10 7,10 7,15 7,30 7,45 7,90 8,20 8,50 8,80 9,20 10,00 10,50	Teeth	Dism Inch and 18.16 19.1 19.5 20.0 20.5 21.0 20.5 21.0 22.4 21.9 22.4 23.8 24.8 25.3 24.8 25.3 26.7 26.2 27.6 28.1 28.6	RC 49 49 203 81 13 90 68 13 90 68 44 45 222 00 77 77 77 77 77 77 77 77 77	Diam. Inches 17. 680 18. 157 18. 635 19. 112 19. 589 20. 067 20. 544 21. 021 21. 499 21. 021 21. 499 22. 453 22. 931 23. 408 23. 885 24. 363 24. 363 24. 363 25. 218 25. 795 26. 273 27. 705 28. 182	Diam., Inches 18, 584 19, 061 19, 061 19, 061 19, 539 20, 972 21, 449 21, 927 22, 405 22, 836 22, 837 24, 315 24, 793 25, 271 125, 748 26, 26, 670 427, 181 27, 659 28, 614 29, 091	Harden

FOR Silverlink ROLLER CHAINS

						т	YPE	A RICES	STEE	L PL				Chain-	-Pages	44-45	1"
No. of Teeth	Pitch Diam., Inches	†Root Diam., Inches	Outside Diam., Inches		PRICES Hardened	No. of Teeth	Pitch Diam., Inches	†Root Diam., Inches	Outside Diam., Inches	West	PRICES Hardened	No. of Teeth	Pitch Diam., Inches	fRoot Diam., Inches	Outside Diam., Inches	LIST PRICE Not Hardened	PITCH
		F	OR 1	INCH	PITCH-	-No:	s. RC-	80, t	RC-10	1, RC-	104 AN	ID R	C-106	CHAINS			•
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	2. 613 2. 924 3. 236 3. 549 4. 179 4. 494 4. 819 5. 126 5. 759 6. 770 7. 344 7. 661 7. 979	2, 299 2, 611 2, 924 3, 239 3, 549 4, 185 4, 501 4, 817 5, 451 5, 451 6, 085 6, 402 6, 719 7, 036	3. 347 3. 678 4. 006 4. 333 4. 657 4. 982 5. 305 5. 627 5. 950 6. 277 6. 593 7. 555 7. 875 8. 516	4.00 4.10 4.20 4.40 4.50 4.60 4.70 4.80 5.05 5.10 5.50 5.30 5.30 5.30 6.53 6.53 6.53	\$5.70 5.80 5.90 6.20 6.30 6.40 6.60 6.70 6.70 7.20 7.30 7.45 7.60 7.80 8.15	33 34 36 38 40 42 44	10. 520 10. 838 11. 474 12. 110 12. 110 12. 746 13. 385 14. 018 14. 654 15. 290 16. 565 17. 196 17. 196 17. 196 19. 107 19. 107 19. 107 19. 388	9.895 10.213 10.849 10.11.485 12.122 12.757 13.395 14.029 14.665 15.907 16.577 17.848 17.848 19.115 19.1	110.753 111.072 111.392 112.668 113.306 112.668 113.306 113.306 115.219 115.219 115.219 116.496 117.765 118.406 119.044 119	6. 45 6. 60 7. 00 7. 40 7. 80 8. 20 8. 60 9. 50 10. 50 11. 50 14. 30 14. 80 15. 80	\$9.50 9.75 9.95 10.50 11.15 11.75 12.35 13.00	78 80 82 84 86 88 90 92 94 96 98 100 102 104 106 110	24. 835 25. 471 26. 102 26. 744 27. 381 28. 017 29. 290 29. 926 30. 563 30. 563 31. 199 31. 836 32. 473 33. 746 34. 382 35. 019 35. 055 36. 055	24. 210 24. 846 25. 483 26. 119 26. 756 27. 392 28. 029 28. 665 29. 938 30. 574 31. 211 31. 848 32. 484 33. 121 33. 757 34. 394 35. 030	25. 415 26. 052 26. 689 27. 326 27. 962 28. 599 29. 236 30. 510 31. 146 32. 420 33. 057 34. 331 34. 968 35. 605 36. 241	20. 60 21. 20 21. 80 22. 40 23. 10 23. 80 24. 50 25. 20 25. 90 26. 60 27. 30 28. 00 28. 80 29. 60 30. 40 31. 20 32. 00	түре А

18

45 68 60 70 80 72 05 74

Teeth	Inches	Inches	Inches	Hardened	Hardened	Teeth	Inches	Inches	Inches	Not Hardened	Hardened	Teeth	Inches	Inches	Inches	Hardened
											RC-130					
8	3.266	2.516	3.768	\$4.20	\$6.20	32	112.753	3 13.003	13.441		\$13.90	78		30.294	31.769	\$30.50
9	3.655	2.905	4.184	4.30	6.40	33	13.150	012.400	13.840	9.30	14.40	80	31.839	31.089	32.565	31.70
10	4.045	3.295	4.598	4.40	6.60	34	13.547	12.797	714.240	9.60	14.80	82	32.635	31.885	33.361	32.90
11	4.437	3.687	5.008	4.50	6.80	36	14.342	213.592	2 15.038	10.20			33.430	32.680	34.158	34.00
12			5.415		7.00					10.80			34.226	33.476	34.953	
13	5.223	4.473	5.821	4.80	7.30	40	115.932	2 15. 182	16.633	11.40			35.021	34.271	35.749	36.40
14			6.228	5.00	7.60				7 17.430				35.817	35.067	36.545	
15		5.262	6.631	5.20	7.90	44	17.522	216.772	18.228	12.80		92	36.612	35.862	37.341	38.80
16			7.034	5.40	8.20					15.70		94	37.408	36.658	38.138	
17			7.438	5.60	8.50					16.40		96	38.203	37.453	38.933	
18					8.80	50	119.906	3 19. 158	(20.619	17.10			38.999	38.249	39.729	
19		6.845		6.00	9.10	52	20.703	19.953	21.415	17.80		100	39.795	39.045	40.525	
20	7.991	7.241	8.643		9.40	54	21.498	3 20.748	22.211	18.60		102	40.591	39.841	41.321	46.20
21			9.044	6.40	9.80	56	22.293	3 21.543	23.008	19.40		104	41.386	40.636	42.118	47.80
22					10.20	58	23.089	9 22.339	23.805	20.20		106	42.182	41.432	42.914	49.60
23				6.80	10.50	60	23.884	23. 134	24.601	21.00		108	42.978	42.228	43.710	
24	9.577	8.827	10.245	7.00	10.80	62	24,680	0123.930	125.398	22.00		110	43.774	43.024	44.506	53.20
25	9.973	9, 223	10.645	7.20	11.10	64	25.478	5 24. 725	26.194	23.00			44.569	43.819	45.301	55.00
26	10.370	9.620	11.045	7.40	11.40	66	26, 271	25, 521	26.991	24.00			45, 365	44.615	46,098	57.00
27	10.7671	0.017	11.445	7.60	11.70	68	27.066	126.316	27.788	25.00				45.411	46, 894	59.00
28	11.1641	10.414	11.844	7,80	12.00	70	27.862	227, 112	28.584	26.10		118	46.957	46, 207	47, 690	61.00
29	11.561 1	10.811	12.244	8.10	12.50	72	28.657	27.907	29.380	27.20		120	47.752	47.002	48.485	63.00

SPLIT TYPE PLATE SPROCKETS

| No. of Holes | Per Drilling and | No.

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sprockets with intermediate numbers of teeth, see page 55.

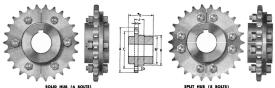
1 1/4" PITCH

							LIST PE	ICES AND	DIMENSI	ONS					
No. of Teeth	Pitch Diam., Inches	†Root Diam., Inches	Outside Diam., Inches		PRICES	No. of Teeth	Pitch Diam., Inches	†Root Diam., Inches	Outside Diam., Inches	LIST PRICES Not Hardened	No. of Teeth	Pitch Diam., Inches	†Root Diam., Inches	Outside Diam., Inches	PRIC: Not Hardes
_		F			H PITCH	Nos	. RC-1	20, †RC	-151, F		and i	RC-155	CHAIN	s	Timoc
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	4.386 4.854 5.324 5.796 6.268 6.741 7.215 7.689 8.163 8.638 9.113 9.589 10.064 10.540 11.492 11.968 12.444 11.33397	5.393 5.866 6.340 6.814 7.263 8.7763 8.238 8.714 9.189 9.665 10.141 10.617 11.569 11.569	6.009 6.498 6.986 7.473 7.958 8.441 8.925 9.407 9.890 10.371 10.853 11.333 12.294 12.774 13.254 13.734	7.60 7.80 8.20 8.40 8.60 9.00 9.20 9.80 10.10 10.45 11.55 11.55 12.20 12.60 13.00	9.80 10.10 10.40 10.80 11.20 11.60 12.00 12.80 13.30 14.30 14.30 14.30 15.80 16.30 17.30 17.30 17.30	33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	15. 780 16. 257 16. 731 17. 211 17. 687 18. 164 19. 118 19. 518 20. 072 20. 549 21. 026 21. 026 22. 458 22. 33. 412 23. 889 24. 366	14, 905 15, 3859 16, 336 16, 816 17, 289 17, 766 18, 243 18, 720 19, 197 20, 151 20, 625 21, 105 21, 583 22, 069 22, 537 23, 014 23, 491 23, 968	16. 608 17. 088 17. 088 18. 045 18. 045 18. 524 19. 002 19. 481 19. 959 20. 438 20. 916 21. 395 21. 385 22. 352 22. 329 23. 307 23. 786 24. 264 24. 743 25. 229 28. 299	15. 30 16. 30 16. 30 16. 80 17. 80 18. 30 19. 80 20. 40 20. 40 21. 60 22. 80 23. 40 24. 80 25. 50	57 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90	27, 229 27, 707 28, 661 29, 616 30, 570 31, 552 32, 479 33, 434 34, 388 36, 298 37, 252 38, 207 39, 162 40, 116 41, 016 42, 026 42, 981 43, 43, 488	26, 354 26, 832 27, 786 28, 741 29, 695 30, 650 31, 604 32, 559 33, 513 34, 468 35, 423 36, 377 37, 332 38, 287 39, 241 40, 196 41, 151 42, 106 43, 060 44, 014	28, 588 28, 562 29, 522 30, 477 31, 439 33, 345 34, 301 35, 256 36, 212 39, 078 40, 989 41, 989 43, 854 44, 8165 45, 7167	29. 7 30. 4 31. 8 33. 8 36. 4 38. 36. 4 40. 0 44. 0 44. 0 50. 0 52. 2 54. 4 66. 8
29 30 31	13.874 14.350 14.827	12.999 13.475 13.952	14.693 15.171 15.651	13. 40 13. 80 14. 30 51 Sprock	19.00	53 54 55	25.320 25.798 26.275	24.445 24.923 25.400 LIST PRICE	26. 177 26. 654 27. 132 S—DRILL	26.90 27.60 28.30 ING AND	96 98 100 COUN	45.844 46.799 47.754 TERSINKII	44.969 45.924 46.879 NG BOLT	46. 719 47. 675 48. 630 HOLES	69.0 71.8 74.6
		PE PLA	TE SPR	OCKETS		No. of	Holes	For Drilling Only	For De	rilling and ersinking	No. of	Holes 1	For Drilling Only	For D Count	rilling ar tersinkin
			of Spre	ocket Pi	tch	-	4	\$2.40	\$3	.80		3	\$3.30	S5	5.20
No.							0 1	2.80	1 4	.40	1 1:	2	3.80	1 (5.00
of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches		PRICES d Hardened		Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	LIST PRICES Not Hardened	No. of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	LIS PRIC
Teeth	Diam., Inches	Diam., Inches	Diam., Inches	Not Hardene	Hardened FOR	of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	LIST PRICES Not Hardened	No. of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	LIS PRIC No Harde
	14. 573 5. 111 5. 66. 211 6. 763 7. 313 7. 864 8. 417 8. 97 10. 633 11. 183 11. 742 12. 293 12. 285 13. 496 14. 518 15. 078 16. 138 17. 186 18. 186 186 186 186 186 186 186 186 186 186	Diam., Inches 3 . 573 4 . 117 3 . 4 . 663 5 . 212 5 . 762 6 . 6 . 864 7 . 7 . 417 7 . 7 . 97 1 . 8 . 524 8 . 9 . 632 7 . 10 . 187 2 . 11 . 297 2 . 11 . 297 2 . 11 . 297 3 . 12 . 197 3 . 13 . 187 3 . 187 5 . 187	Diam., Inches 5. 275 7. 5. 857 8. 6. 437 2. 7. 011 2. 7. 581 8. 8. 719 9. 284	\$7.60 7.80 8.00 8.20 8.40 8.70 9.00 9.30 10.00 10.40 11.60 11.20 11.60 12.40 12.40 12.40 13.30 14.30 14.30 15.80	Hardened	of Teeth	Pitch Diam., Inches	Root Diam., Inches Pitches 16, 854 17, 410 17, 966 18, 523 19, 079 19, 635 21, 861 22, 418 22, 513 24, 087 24, 687 27, 26 314 25, 201 27, 757 26, 314 26, 27, 77, 26, 314 27, 27, 28, 541 29, 097 29, 654	Outside Diam., Inches Plants, Inches	PRICES PR	No. of Tretth AIN 56 57 58 60 62 64 66 68 87 72 74 76 78 80 82 84 86 88 90 91 94 96 98 100	Pitch Diam, Inches 31. 211 31. 768 32. 324 33. 438 34. 551 35. 665 36. 779 39. 006 40. 120 41. 233 42. 3461 44. 575 45. 6892 46. 802 47. 915 49. 029 50. 125 49. 125 4	Root Diam., Inches 30, 211 30, 768 31, 324 32, 438 33, 551 34, 665 39, 120 40, 233 41, 347 44, 589 45, 802 44, 689 45, 802 46, 915 48, 029 49, 120 40 40, 120	Outside Diam., Inches 32. 211 32. 763 33. 327 34. 442 35. 557 36. 671 37. 788 38. 903 44. 132 42. 247 43. 362 44. 476 45. 591 48. 934 48. 934 48. 934 55. 557 55. 625 56. 735	\$35. 36. 37. 42. 42. 42. 44. 47. 50. 53. 35. 66. 68. 72. 75. 79. 83. 87. 99. 93. 93. 93. 93. 93.
8 9 9 10 11 12 13 13 14 15 166 17 18 19 20 21 22 23 24 25 266 27 28 29 30 31	4. 573 5. 117 5. 666 6. 211 6. 766 7. 313 7. 864 8. 417 8. 977 9. 522 10. 678 11. 187 11. 742 12. 299 12. 852 13. 407 15. 630 16. 188 16. 744 17. 296	Diam., Inches 3 3.573 4 117 4 117 5 4 663 5 5.212 5 .762 6 6.313 6 864 7 7.417 7 .97 18 .524 8 .9 .078 19 .9 .032 10 .742 11 .296 12 .963 13 .518 14 .074 14 .630 15 .186 2 15 .742 16 .298	5. 275 7. 5. 857 8. 6. 437 2. 7. 581 8. 8. 719 9. 284 9. 9. 284 10. 413 10. 974 11. 538 12. 100 12. 661 713. 221 13. 781 714. 343 315. 463 316. 623 316. 581 317. 741	\$7.60 7.80 8.20 8.40 8.20 8.40 9.00 9.30 9.60 10.40 10.80 11.20 11.60 12.40 12.40 12.40 12.80 13.30 14.30 14.30 15.80 16.40	FOR \$10.00 10.30 10.70 11.10 11.50 12.50 12.50 13.50 14.10 14.80 15.40 16.50 17.10 17.70	of Teeth 1 3/2 32 33 34 35 36 37 38 39 40 41 42 43 44 45 50 51 52 53 54 55	Pitch Diem., Inches 14. 4100 18. 966 19. 523 20. 635 21. 192 21. 748 22. 305 22. 861 23. 974 26. 201 26. 757 27. 314 26. 201 28. 427. 871 28. 427. 871 28. 427. 871 28. 924 29. 541 30. 654	Root Disen., Taches PITCH 16. 854 17. 410 17. 966 18. 523 19. 079 19. 635 20. 192 20. 748 21. 306 21. 861 22. 418 22. 974 24. 644 25. 201 25. 757 26. 314 25. 757 26. 314 27. 926 27. 928 28. 541 29. 997	Outside Diam., Inches No. RC 18. 818, 276, 276, 276, 276, 276, 276, 276, 276	PRICES PRICES PRICES Hardened -140 CH S17.00 17.60 18.20 18.80 19.40 20.60 21.30 22.00 22.70 22.40 24.20 25.00 25.80 27.40 28.20 29.10 30.00 30.90 30.90 30.90 30.27 30.90	No. of Tretth Since Sinc	Pitch Diam. Inches 31. 211 31. 768 32. 324 33. 438 34. 551 35. 665 36. 779 37. 892 37. 892 37. 892 41. 233 41. 233 41. 234 42. 441 43. 461 44. 575 45. 680 40. 120 41. 233 51. 234 51. 257 52. 371 53. 485 54. 599 55. 713	Root Diam., Inches 30. 211 30. 768 31. 324 32. 438 33. 551 34. 665 39. 120 40. 233 41. 347 44. 689 45. 802 46. 915 48. 029 45. 802 46. 915 48. 029 45. 555 58. 909	Outside Diam., Inches 32, 211 32, 769 33, 327, 784, 442 35, 557, 36, 671 37, 788, 38, 903 44, 741, 132 44, 247, 43, 362 44, 45, 591 46, 704 46, 704 46, 704 47, 821 48, 934 51, 163 52, 163 53, 557 55, 620 55, 620 56, 735	LIS PRICE NO. 1

FOR Silverlink ROLLER CHAINS

	TYP		•	EL PL				Chain	Page	5 44-42
o. Pitch Root Outside LIST PRICES of Diam., Diam., Diam., Not Hardened	No. F	itch iem	Root Diam., Inches	Outside Diam., Inches	LIST PRICES Not Hardened	No. of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	LIST PRICES Not Hardened
			CH No	. RC-1	60 CHA	IN				
8 2.28 4.001 6.000 88.30 811.30 10 6.000 88.30 811.30 11 30	32 20 33 21 34 21 35 22 36 22 37 33 24 40 25 41 26 42 26 44 28 45 28 47 29 48 30 49 31 50 31 51 32 52 33 53 33 34 24 46 25 47 25 48 30 49 31 50 31 51 35 51	.405 1 040 1 676 2 312 947 583 2 219 855 491 127 763 399 035 671 307 943 580 216 852 488 124 761	19, 280 19, 915 20, 551 21, 187 21, 187 21, 822 22, 694 23, 730 24, 366 25, 002 25, 638 26, 274 26, 910 27, 546 28, 182 28, 182 28, 182 28, 183 30, 091 30, 727 31, 363 31, 363 31, 999 32, 636 33, 272	21. 506 22. 144 22. 144 22. 422 24. 666 25. 336 25. 336 25. 336 25. 336 27. 280 27. 280 27. 280 27. 280 30. 436 31. 714 32. 990 33. 626 34. 992 33. 426 34. 992 35. 538	233.865 234.655 235.555 237.555 239.555 239.555 239.555 239.555 239.555 239.555 239.555 239.555 239.555 239.555 249.555 249.555 249.555 259	56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 76 88	35. 669 36. 306 36. 942 37. 578 38. 215 38. 851 39. 487 40. 724 41. 396 42. 669 43. 306 43. 306 44. 578 45. 215 46. 488 47. 124 48. 397 50. 943	34, 544 35, 181 35, 817 36, 453 37, 796 38, 362 38, 362 38, 363 40, 271 40, 908 41, 544 42, 181 42, 817 43, 453 44, 090 44, 726 45, 363 45, 939 47, 272 48, 818	36. 812 37. 450 38. 725 39. 362 40. 000 40. 636 41. 274 41. 910 42. 548 43. 186 43. 186 43. 822 44. 45. 096 45. 734 46. 370 47. 008 47. 644 48. 282 49. 556 50. 830 52. 104	\$55.00 56.50 58.00 60.00 62.00 64.00 66.00 68.00 70.00 74.00 74.00 80.00 82.00 84.00 88.00 90.00 94.00 94.00 98.00 98.00 98.00 98.00
11 19.769 18.644 20.868 22.95	55 35	.033	33.908	36.176	53.50					
SPLIT TYPE PLATE SPROCKETS		LIS	T PRICE	5—DRILLI	NG AND	COUN	rersinki	NG BOLT	HOLES	
	No. of Ho in Sprock	les For	Drilling Only	Count	illing and ersinking	No. of	Holes 1	For Drilling Only		villing and tersinking
d \$0.22 Per Inch of Sprocket Pitch	No. of Ho in Sprock 4 6	et S	Drilling Only 2.60 3.00	Count \$4	illing and ersinking .00 .70	in Sp	rocket 3	For Drilling Only \$3.60 4.20	\$5	villing and tersinking 5.70 6.70
id \$0.22 Per Inch of Sprocket Pitch ameter to List Prices Above. fo. Pitch Root of Disam. Disam.	No. I Teeth I	Pitch biam., nches	Root Diam., Inches	Count \$4 4 Outside Diam., Inches	LIST PRICES Not Hardened	In Sp	rocket 3	\$3.60	\$5	5.70
d \$0.22 Per Inch of Sprocket Pitch sameter to List Prices Above. 40. Pitch Root Diams, Diams, Diams, Inches Inches Inches Hardened FOR	No. I Teeth I 21/2 I	Pitch biam., nches	Root Diam., Inches	Outside Diam., Inches	LIST PRICES Not Hardened	No. of Teeth	Pitch Diam., Inches	S3.60 4.20 Root Diam., Inches	Outside Diam., Inches	5.70 5.70 LIST PRICES Not Hardened
March Color Colo	NSC 1 Teeth	Pitch Simulation Simulation	Root Diam., Inches	Count \$4 4 Outside Diam., Inches	PRICE NO. 100 170 170 170 170 170 170 170 170 170	No. of Teeth No. of Teeth Sp. of Teeth Si Si Si Si Si Si Si S	Pitch Diam., Inches 140, 610 41, 405 42, 290 42, 295 44, 53, 792 47, 767 48, 565 50, 950 51, 752 54, 927 55, 722	Solution Solution	SE 6 Outside Diam., Inches 42, 033 42, 830 43, 628 44, 423 45, 220 46, 015 46, 813 47, 610 48, 408 49, 203 50, 796 51, 593 52, 388 53, 185 53, 185 53, 185 53, 583 54, 778 55, 576 56, 370 57, 168	5.70 5.70 E.S. 70
15 16 17 18 18 18 18 18 18 18	No. 1 1 1 1 1 1 1 1 1	tet S S S S S S S S S	Only 2.2 60 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3	Outside Dism., Inches Dism., I	PRESENT NO. 100 - 70 - 70 - 70 - 70 - 70 - 70 - 70	In Sp 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pitch Disam. Disam. Inables 40. 610 41. 405 42. 200 44. 587 45. 382 44. 587 46. 972 47. 767 48. 565 50. 950 51. 745 53. 337 54. 927 55. 722	Solution Solution	SE 6 Outside Diam., Inches 42. 033 42. 830 43. 628 44. 423 45. 220 46. 015 46. 813 47. 610 48. 408 49. 030 50. 000 50	5.70 5.70 LIST PRICE Hardened Hardened \$87, 20 95, 30 95, 30 95, 30 103, 40 101, 50 111, 50 111, 50 112, 80 123, 80 123, 80 123, 80 123, 80 123, 80 124, 80 125, 70 146, 80 153, 30 166, 50 179, 50
March Price Pric	NSC 1 Teeth	net S S S S S S S S S	Root Diam., Inches 22, 50 3, 0	Outside Dism., Inches Dism., I	PRICE NO. 100 170 170 170 170 170 170 170 170 170	In Sp 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pitch Pitch	Solution Solution	Qutside Diam.	5.70 5.70 PRICES Not Hardened \$87, 20 91, 30 99, 40 107, 50 111, 50 1123, 80 123, 80 123, 80 123, 80 124, 90 136, 10 146, 80 153, 30 166, 50 173, 00 173, 00 173, 00 173, 00 173, 00

DOUBLE-DUTY **SPROCKETS**



SOLID HUB (6 BOLTS)

The Type D Double Duty Sprocket adds convenience and still greater economy to the roller chain drive. The principle of its construction is to provide a removable rim section for ease of replacement, renewal or change of speed ratio. The hub section can be used indefinitely and new rim section (which is solit) can be substituted without removal of the hub. When hub and sprocket is furnished as a unit, sprocket will be furnished split as shown unless otherwise specified. The hub also can be made split if desired or required at an extra charge.

(Hub both sides required)

EXACT LOCATION OF BOLT HOLES If in any case it is necessary to locate the bolt holes in Type A or D sprockets very accurately in relation to the center-line of a tooth, for instance, definite instructions should be given as such location of holes will entail considerable extra expense, compared with the usual location of holes without reference to any particular diametral line. Standard method will be followed, unless specifically provided for otherwise.

*To suit requirements. To suit requirements, but must not exceed dimension "B" minus M''.

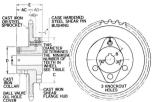
Dimension "C" is the same for both Type "A" (Pages 81-85) and Type "D" sprockets.

					LIST P	RICES AN	D DIMENS	IONS							
				Meximum		Add	Extras to L	ist Prices	For:						Г
Pitch of Chain	Number of Hub	Minimum Number of Teeth in Sprocket that can be used	Maximum Bores	Dimen- sions in Inches at List Price	Base List Price, each Cast Iron. Includes Bolts and Assem- bling to	Each Key Seat	Rach Set Screw (One is Standard)	Increasing each quarter inch or less	Splitting Hubs		в	с	D Bolt Diam.	н	,
		with Hub		Length of Hub "E"	Sprocket			Length of Hub "E"							
5%	1 2 3 4	22 27 31 41	1 3/6 1 9/6 2 5/6 2 13/6	1¾ 2 2 23⁄2	\$ 6.40 7.15 8.00 11.25	\$1.00 1.00 1.00 1.00	\$0.60 .60 .60	\$0.20 .25 .30 .35	\$3.00 3.15 3.25 3.40	334 456 538 738	21/6 27/8 35/8 51/2	334 474 638	14 16 16 16	38	11/2 11/2 11/2
34	1 2 3 4	19 23 26 35	1 3/6 1 3/6 2 3/6 2 15/6	2 214 212 212 212	6.60 7.40 8.60 11.25	1.00 1.00 1.00 1.00	.60 .60 .60	.20 .25 .30 .35	3.00 3.15 3.25 3.40	3% 45% 53% 73%	21/8 21/8 35/8 51/2	31/8 33/4 41/6 63/8	3/8 3/8 3/8 3/8	36,96,96	21/2 21/2 11/2 11/2
1	5 6 7 8	19 23 26 30	2 3/6 2 3/6 2 1/6 3 3/6	2½ 3 3 3¼	8.00 9.95 11.25 14.00	1.00 1.00 1.00 1.50	.60 .60 .60	.25 .30 .35 .40	3.50 3.65 3.75 3.90	5 61/4 7 81/2	314 418 434 614	41/8 51/8 57/8 73/8	STATE OF	16/5/2/8	1 1/6 1 1/6 1 1/6
11/4	6 9 10 11	19 23 26 29	2 1/6 21/6 3 7/6 31/6	3 3 3½ 4	9.95 12.00 14.10 16.55	1.20 1.20 1.50 1.80	.80 .80 1.00 1.00	.30 .35 .40 .50	3.65 4.05 4.15 4.30	61/4 73/4 83/4 93/8	41/8 41/8 53/4 63/4	51/8 63/8 73/8 81/2	1/2 5/8 5/8 6/8	100,000,00	1 3/6 1 3/6 1 5/6 1 3/6
11/2	12 13 14 15	19 23 26 32	21/6 3 % 415/6 5 %	3 3½ 4 4½	12.30 15.20 20.25 28.30	1.20 1.80 1.80 2.00	1.00 1.00 1.00	.35 .40 .45 .50	4.40 4.55 4.70 4.85	75% 9 101/4 13%	51/8 6 73/4 103/4	63/8 75/8 91/8 121/4	% 5/8 5/8 5/8	1/2 8/8 3/4 7/8	1 3/6 1 3/6 1 13/6 1 13/6
1¾	16 17 18 19	19 23 26 32	21/16 4 7/16 415/16 6 3/16	31/2 4 41/2 5	17.45 23.30 27.40 40.65	1.70 2.00 2.00 2.40	1.00 1.00 1.20	.35 .45 .50 .60	4.95 5.10 5.25 5.40	8¾ 11 12½ 16	51/4 71/2 9 121/2	7 91/4 103/4 141/4	34 34 34	5/8 3/4 1/8	1 % 11% 11% 11% 11%
2	20 21 22 23 24	19 23 26 32 41	3 % 4 % 5 % 7 %	41/4 5 5 5	23.90 31.80 36.80 52.00 63.00	2.00 2.40 2.40 2.50 2.50	1.00 1.20 1.20 1.40 1.40	.55 .60 .75 .80	5.50 5.60 5.75 5.90 6.00	10 121/2 141/2 18 21	6½ 9 11 15 17	81/4 103/4 123/4 163/4 19	34 34 34 34	34 1/8 11/4 11/4	129/49 2 1/49 2 1/49 2 1/49 2 1/49 2 1/49

Add price of split plate sprocket to hub price given above to secure price of complete double-duty sprocket, Prices and data on Double-Duty Hubs for Multiple Width Chains on Application,

BREAKING PIN HUB SPROCKETS





Damage to mechinery due to issuming, may be svoided by the use of a breaking in this on easy procket in the drive. This device affords instant and dependable protection against overloading from any cause. Renewable pins which are necked to the desired diameter for the service and held securely in bushed holes in both hub and sprocket, will shear under excessive torsion before the added resistance becomes sufficient to actuate a protective electrical overload mechanism. Two spare pins are furnished necked

Breaking Pin Hubs are particularly recommended for continuous production equipment because repairs can be effected with minimum delay and shearing of the pin may call attention to impending trouble before it becomes serious.

pending trouble before it becomes serious.

Chain pull or torque at which shear pin is to break must be specified.

Cast iron hubs are standard. Steel hubs require bronze bushed sprockets when sprocket is made of steel and is special. Prices on application.

LIST PRICES AND DIMENSIONS

Breaking Pin Hub Number	Shaft Diameter "A"	Maximum Bore	*Add to Sprocket List Price	Price, each Replace- ment Pins	Price, each Replace- ment Bushings	В	с	D	Е	AB	AC	AD
101	1" and under	1	\$ 15.00	\$0.10	80.15	1136	514	21/2	234	36	196	11/4
102	11/4 to 11/4	114	16.50	.10	.15	236	6	314	215/6	12	13%	136
103	15% to 13%	11/2	17.50	.15	.20	29%	634	4	33/4	9.2	216	186
104	1% to 1%	132	18.50	.15	.20	3	734	434	43%	17.00 17.00 17.00 17.00	25 g 25 g	13% 13% 11%
105	113% to 2	2	21.00	.20	20	3%	834	512	413/4	4.2	314	1102
106	21/4 to 21/4	21/4	24.00	20	.20	3134	834 934	614	5316	187	33%	2 "
107	2% to 2%	21/2	26.00	.20	.35	4 78	10	61/2	511/4	13%	3114	5
108	2% to 2%	234	30.00	.25	.40	486	1136	7/2	6516	1516	456	21/
109	2186 to 3	274	32.00	.30	.40	472	1236	8	613/6	15/6	43%	214 23% 29µ
110	31% to 31%	31/2	38.00	.30	- 40	262	1334	834	71316	1796	514	528
110	35% 10 372	372	45.00	.30	.50 .50	3796	1516	074	71216	1 1	6	2735
111	3% to 4	4	45.00	.35	.50	61%	15/2	10	811/4	1		211/6
112	41/6 to 41/2	43/2	51.00	.35	.60	63%	161/4	1034	911/16	11/6	61316	23/4
113	4% to 5	5	67.00	.40	.60	478 556 616 676 738	17	12	10136	137	71/2	334
114	51/6 to 51/2	51/2	85.00	.45	.85	81/6	201/4	1334	11134	172	814	356
115	5% to 6	6	110.00	.50	1.00	81%	2216	15	12156	1%	834	234 334 358 436

*For prices of Sprockets, (with plain bore) see pages 58-80 and 88-123.

of Sprockets, (with plain bore) see pages 58-80 and 88-123.

Breaking					Number	r of Chain				
Pin Hub Number	RC-35	RC-40	RC-50	RC-60	RC-80	RC-100	RC-120	RC-140	RC-160	RC-200
101	48	37	30	26	20	17	14	13	12	10
102	54	41	34	29	22	19	16	14	13	11
103	60	46	38	32	25 28	21	18	16	14	12
104	69	52	42	36	28	23	20	17	16	13
105	77	59	47	40	31	26	22	19	17	14
106	85	65	52	44	34	28	24	21	19	16
107	88	66	54	46	35	29	24	21	19	16
108	100	76	61	52	40	21 23 26 28 29 32	28	24	22	18
109	109	82	66	56	43	35 37	30	26	23	
110	117	88	71	60	46	37	32	28	25	20
111	134	101	81	69	52	42	36	31	28	23
112	140	106	85	72	52 55	44	37	33	29	24
113	146	110	89	75	57	46	39	34	30	25
114	173	131	105	89	67	54	46	40	35	19 20 23 24 25 29
115	1	-54	120	100	76	62	62	46	40	32

DOUBLE WIDTH SPROCKETS (MADE-TO-ORDER)

LIST PRICE OF CHAIN \$1.10 Per Foot

TYPE B STEEL

Chain—Page 46 Stock Sprockets-Page 62

-						LIST	PRICES AN	D DIMEN	SIONS					
				Stand. Hub	LIST P		OT HARDE			LIST			ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length
8 9 10 11 12	.980 1.096 1.214 1.331 1.449	.780 .896 1.014 1.131 1.249	1.255 1.379 1.502	11/4 11/4 11/4 11/4 11/4	\$ 4.40 4.45 4.45 4.50 4.55	\$ 5.20 5.25 5.25 5.30 5.35	\$ 5.20 5.25 5.25 5.30 5.35	\$ 6.00 6.05 6.05 6.10 6.15	\$ 0.10 .10 .10 .10 .10	\$ 6.40 6.45 6.45 6.50 6.55	\$ 7.20 7.25 7.25 7.30 7.35	\$ 7.20 7.25 7.25 7.30 7.35	\$ 8.00 8.05 8.05 8.10 8.15	\$ 0.15 .15 .15 .15 .15
13 14 15 16 17	1.567 1.685 1.804 1.922 2.041	1.604	1.868	11/4 11/4 11/4 11/4 11/4	4.60 4.65 4.70 4.75 4.80	5.40 5.45 5.50 5.55 5.60	5 40 5 45 5 50 5 55 5 60	6.20 6.25 6.30 6.35 6.40	.10 .10 .10 .10	6.60 6.65 6.70 6.75 6.80	7.40 7.45 7.50 7.55 7.60	7.40 7.45 7.50 7.55 7.60	8.20 8.25 8.30 8.35 8.40	.15 .15 .15 .20 .20
18 19 20 22 24	2.159 2.278 2.397 2.635 2.873	2.078 2.197 2.435	2.472 2.593 2.833	11/4 11/4 13/8 13/8 13/8	4.85 4.90 5.00 5.10 5.20	5.65 5.70 5.80 5.90 6.00	5.65 5.70 5.80 5.90 6.00	6.45 6.50 6.60 6.70 6.80	.10 .10 .10 .10	6.85 6.90 7.00 7.10 7.20	7.65 7.70 7.80 7.90 8.00	7.65 7.70 7.80 7.90 8.00	8.45 8.50 8.60 8.70 8.80	.20 .20 .20 .20 .20
26 28 30 32 34	3.111 3.349 3.588 3.826 4.064	3.388	3.553 3.793 4.032	13/6 13/6 13/6 13/6 13/6	5.30 5.40 5.50 5.60 5.80	6.10 6.20 6.30 6.40 6.60	6.10 6.20 6.30 6.40 6.60	6.90 7.00 7.10 7.20 7.40	.10 .20 .20 .20 .20	7.30 7.40 7.60 7.70 8.00	8.10 8.20 8.40 8.50 8.80	8.10 8.20 8.40 8.50 8.80	8.90 9.00 9.20 9.30 9.60	.20 .30 .30 .30
36 38 40 42 44	4.303 4.541 4.780 5.018 5.257	4.341 4.580 4.818	4.751 4.990 5.229	13/6 13/6 13/6 13/6 13/6	6.00 6.20 6.50 6.80 7.00	6.80 7.00 7.30 7.60 7.80	6.80 7.00 7.30 7.60 7.80	7.60 7.80 8.10 8.40 8.60	.30 .30 .30 .30 .40	8.20 8.50 8.80 9.20 9.40	9.00 9.30 9.60 10.00 10.20	9.00 9.30 9.60 10.00 10.20	9.80 10.10 10.40 10.80 11.00	.40 .40 .40 .40
46 48 50 52 54	5.495 5.734 5.972 6.211 6.449	5.534 5.772 6.011	5.946 6.186 6.425	13/6 11/6 11/6 11/6 11/6	7.20 7.50 7.80 8.10 8.40	8.00 8.30 8.60 8.90 9.20	8.00 8.30 8.60 8.90 9.20	8.80 9.10 9.40 9.70 10.00	.40 .50 .50 .50	9.70 10.00 10.40 10.70 11.10	10.50 10.80 11.20 11.50 11.90	10.50 10.80 11.20 11.50 11.90	11.30 11.60 12.00 12.30 12.70	.50 .60 .60 .60
56 58 60 62 64	6.688 6.927 7.165 7.404 7.642	6.727 6.965 7.204	7.142 7.381 7.619	11/4 11/4 11/4 11/4 11/4	8.80 9.20 9.60 10.00 10.40	9.60 10.00 10.40 10.80 11.20	9.60 10.00 10.40 10.80 11.20	10.40 10.80 11.20 11.60 12.00	.60 .60 .70 .70	11.50 12.00 12.40 12.90 13.30	12.30 12.80 13.20 13.70 14.10	12.30 12.80 13.20 13.70 14.10	13.10 13.60 14.00 14.50 14.90	.60 .70 .70 .85
66 68 70 72 74	7.881 8.120 8.358 8.597 8.836	8.158	8.336 8.575 8.814	114 114 114 114 114 114	10.80 11.20 11.60 12.00 12.40	11.60 12.00 12.40 12.90 13.30	11.60 12.00 12.40 12.90 13.30	12.40 12.80 13.20 13.80 14.20	.80 .80 .90 1.00 1.10	13.80 14.20 14.70 15.10 15.60	14.60 15.00 15.50 16.00 16.50	14.60 15.00 15.50 16.00 16.50	15.40 15.80 16.30 16.90 17.40	.95 .95 1.15 1.15 1.25
76 78 80 82 84	9.074 9.313 9.552 9.790 10.029	9.113 9.352 9.590		11/2 11/2 11/2 11/2 11/2 11/2	12.80 13.20 13.60 14.00 14.40	13.70 14.10 14.50 14.90 15.30	13.70 14.10 14.50 14.90 15.30	14.60 15.00 15.40 15.80 16.20	1.10 1.20 1.20 1.30 1.30	16.00 16.50 17.00 17.50 17.90	16.90 17.40 17.90 18.40 18.80	16.90 17.40 17.90 18.40 18.80	17.80 18.30 18.80 19.30 19.70	1.25 1.35 1.35 1.45 1.45
86 88 90 92 94	10.506 10.745 10.984	10.306 10.545 10.784	10 486 10 725 10 964 11 203 11 441	11/2 11/2 11/2 11/2 11/2	14.80 15.20 15.60 16.00 16.50	15.70 16.10 16.50 16.90 17.40	15.70 16.10 16.50 16.90 17.40	16.60 17.00 17.40 17.80 18.30	1.40 1.50 1.50 1.60 1.70	18.40 18.90 19.40 19.90 20.50	19.30 19.80 20.30 20.80 21.40	19.30 19.80 20.30 20.80 21.40	20.20 20.70 21.20 21.70 22.30	1.55 1.65 1.65 1.75 1.85
96 98 100 102	11.700	11.500	11.680 11.919 12.158 12.397	11/2 11/2 11/2 11/2 11/2	17.00 17.50 18.00 18.50	17.90 18.40 18.90 19.40	17.90 18.40 18.90 19.40	18.80 19.30 19.80 20.30	1.70 1.80 1.90 2.00	21.10 21.70 22.30 22.90	22.00 22.60 23.20 23.80	22.00 22.60 23.20 23.80	22.90 23.50 24.10 24.70	1.85 1.95 2.05 2.15

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sprockets with intermediate numbers of teeth, see page 53. When ordering Type "C" Sprockets (with set screw) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by subled hub lengths of Type "C" wheels.

FOR NO. RC-D35 Silverlink ROLLER CHAIN

TYPE C STEEL AND CAST IRON Chain-Page 46 THE BRICK OF CHAIN \$1.10 Per Foot Stock Sprockets-Page 62 LIST PRICES AND DIMENSIONS LIST PRICES-STEEL LIST PRICES-CAST IRON SPROCKETS With Key Seat and Set Ser With Key Seat and Set Screen For Bach Extra 14" Hub Length For Each Extra 14" Hub Length One .734 .534 653 7.90 7.95 8.00 7.90 7.95 8.00 .80 85 48 49 8 \$ S O. 066 05 50 51 5.972 6.091 772 196 90 .891 .011 305 20 10 425 52 7.30 7.30 7.35 7.40 7.45 53 6.330 6.449 6.569 6 20 . 15 . 15 . 15 6666 54 55 .249 664 783 8.20 8.25 8.30 20 25 30 10 6667 6.688 6.807 56 488 903 20 15 6 607 25 . 15 6.927 7.165 7.404 7.642 7.881 7.142 7.381 7.619 7.858 8.097 7.50 7.60 7.70 7.80 7.90 58 60 62 9.30 9.40 9.50 . 15 66777 22222 8.40 8.50 8.60 .965 .204 .442 .681 8.50 8.60 15 64 66 8.70 8.70 60 . 15 For pricing Type "C" Steel Sprockets in this block, use prices on opposite page plus addi-tional hub length charges. 8 120 22222 8.10 8.358 8.597 8.836 7.920 8.158 8.397 8.636 8.874 8.575 8.814 9.063 70 72 8.20 8.30 8.40 9 10 10 10.00 . 15 . 15 9.20 9.10 9.20 9.30 9.50 10.10 15 76 9.291 8 60 9.50 10 40 15 9.313 9.113 9.531 9.552 9.352 9.770 9.790 9.590 10.008 10.029 9.829 10.247 10.268 10.068 10.486 2 2 2 2 2 2 2 2 8.70 78 10.50 9.70 9.80 10.00 10.10 80 8.80 9.70 10.60 .15 .15 .15 82 9.10 10.00 10.90 84 86 10.506 10.306 10.725 10.745 10.545 10.964 10.984 10.784 11.203 10.20 10.30 10.40 10.20 10.30 10.40 88 90 92 9.30 . 15 . 15 . 15 9.30 9.40 9.50 20 11.222 11 261 11 441 9.70 10.60 10.60 11.50 15 10.80 98 100 102 104 106 11.700 11.500 11 11 938 11 738 12 158 12 177 11 977 12 397 12 416 12 216 12 635 12 655 12 455 12 874 11.10 11.50 11.60 11.70 .15 .15 10.20 11.10 12 00 CAST STEEL SPROCKETS 10.40 50 12.60 12.70 12.80 \$24.00 \$25.20 60 .40 10.60 15 12. 893 12. 693 13. 113 13. 132 12. 932 13. 352 13. 371 13. 171 13. 590 13. 609 13. 409 13. 829 13. 848 13. 648 14. 068 108 110 21/4 21/4 21/4 21/4 21/4 23.60 24.00 24.40 .80 .20 .60 24 25 25 80 26 26 26 .40 10 10 .70 80 80 90 10 12.90 13.00 13.20 . 15 . 15 . 15 . 15 40 112 114 116 .40 .00 10 24.80 25.20 26.00 20 12.30 12.30 40 13 60 14 087 13 887 14 307 21/4 40 er 12.70 12.90 12 70 13 80 . 15 14.326 14.126 14.546 26.00 11.80 12.90 27.20 28.40 40 14.00

PITCH

TYPE C

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 53.

DOUBLE WIDTH SPROCKETS (MADE-TO-ORDER)

1/2"
LIST PRICE OF CHAIN
\$1.54 Per Foot

TYPE B STEEL

Chain—Page 46 Stock Sprockets—Page 62

UST F

						LIST	PRICES A	ND DIMEN	SIONS			-		
				Stand. Hub	LIST P	RICES-NO	T HARDI	ENED SPE	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra % Hub Length
8 9 10 11 12	1.307 1.462 1.618 1.775 1.932	1.306	1.674 1.839 2.003	11/2 11/2 11/2 11/2 11/2	\$ 4.40 4.50 4.50 4.60 4.70	\$ 5.20 5.30 5.30 5.40 5.50	\$ 5.20 5.30 5.30 5.40 5.50	\$ 6.00 6.10 6.10 6.20 6.30	\$ 0.10 .10 .10 .10 .10	\$ 6.60 6.70 6.70 6.80 6.90	\$ 7.40 7.50 7.50 7.60 7.70	\$ 7.40 7.50 7.50 7.60 7.70	\$ 8.20 8.30 8.30 8.40 8.50	\$ 0.15 .15 .15 .15 .15
13 14 15 16 17	2.089 2.247 2.405 2.563 2.721	1.935 2.093 2.251	2.653 2.814	11/2 11/2 11/2 11/2 11/2	4.80 4.90 4.90 5.00 5.10	5.60 5.70 5.70 5.80 5.90	5.60 5.70 5.70 5.80 5.90	6.40 6.50 6.50 6.60 6.70	.10 .10 .10 .10 .10	7.00 7.10 7.10 7.20 7.30	7.80 7.90 7.90 8.00 8.10	7.80 7.90 7.90 8.00 8.10	8.60 8.70 8.70 8.80 8.90	.20 .20 .20 .20 .20
18 19 20 21 22	2.879 3.038 3.196 3.355 3.513	2.726 2.884 3.043	3.457	11/2 11/2 15/6 15/6 15/6	5.20 5.30 5.40 5.50 5.60	6.00 6.10 6.20 6.30 6.40	6.00 6.10 6.20 6.30 6.40	6.80 6.90 7.00 7.10 7.20	.10 .10 .10 .10 .20	7.40 7.50 7.70 7.85 8.00	8.20 8.30 8.50 8.65 8.80	8.20 8.30 8.50 8.65 8.80	9.00 9.10 9.30 9.45 9.60	.20 .20 .25 .25 .25
24 26 28 30 32	3.831 4.148 4.466 4.783 5.101	4.154	4.418 4.738 5.057	15% 15% 15% 15% 15%	5.80 6.20 6.40 6.70 7.10	6.60 7.10 7.30 7.60 8.00	6.60 7.10 7.30 7.60 8.00	7.40 8.00 8.20 8.50 8.90	.20 .20 .30 .30 .40	8.30 8.80 9.10 9.50 10.00	9.10 9.70 10.00 10.40 10.90	9.10 9.70 10.00 10.40 10.90	9.90 10.60 10.90 11.30 11.80	.35 .35 .45 .45
34 36 38 40 42	5.419 5.737 6.055 6.373 6.691	5.425	6.015 6.334 6.653	15% 15% 15% 15% 15%	7.50 7.90 8.40 8.90 9.40	8.40 8.80 9.30 9.80 10.30	8.40 8.80 9.30 9.80 10.30	9.30 9.70 10.20 10.70 11.20	.40 .50 .50 .60	10.50 11.00 11.60 12.20 12.80	11.40 11.90 12.50 13.10 13.70	11.40 11.90 12.50 13.10 13.70	12.30 12.80 13.40 14.00 14.60	.55 .65 .65 .75
44 46 48 50 52	7.009 7.327 7.645 7.963 8.281	7.015 7.333 7.651	7.927 8.247	15% 15% 13% 13% 13% 13%	9.90 10.40 10.90 11.50 12.10	10.80 11.40 11.90 12.50 13.10	10.80 11.40 11.90 12.50 13.10	11.70 12.40 12.90 13.50 14.10	.70 .70 .80 .80	13.40 14.00 14.60 15.30 16.00	14.30 15.00 15.60 16.30 17.00	14.30 15.00 15.60 16.30 17.00	15.20 16.00 16.60 17.30 18.00	.75 .85 .85 .95 1.10
54 56 58 60 62	8.599 8.917 9.236 9.554 9.872	8.605 8.924 9.242	9.522	1% 1% 1% 1% 1% 1%	12.70 13.30 13.90 14.50 15.10	13.70 14.30 14.90 15.50 16.10	13.70 14.30 14.90 15.50 16.10	14.70 15.30 15.90 16.50 17.10	1.00 1.10 1.20 1.20 1.30	16.70 17.40 18.10 18.80 19.50	17.70 18.40 19.10 19.80 20.50	17.70 18.40 19.10 19.80 20.50	18.70 19.40 20.10 20.80 21.50	1.20 1.30 1.40 1.40 1.50
70	10.508 10.826 11.145	10.196 10.514 10.833	10.478 10.796 11.115 11.434 11.752	134 134 134 134 134 134	15.80 16.50 17.20 17.90 18.60	16.80 17.50 18.20 18.90 19.60	16.80 17.50 18.20 18.90 19.60	17.80 18.50 19.20 19.90 20.60	1.40 1.50 1.60 1.70 1.80	20.30 21.20 22.10 23.00 23.90	21.30 22.20 23.10 24.00 24.90	21.30 22.20 23.10 24.00 24.90	22.30 23.20 24.10 25.00 25.90	1.60 1.70 1.80 1.90 2.00
74 76		11.469 11.787	12.071 12.389	134 134	19.30 20.00	20.30 21.00	20.30 21.00	21.30 22.00	1.90 2.00	24.80 25.70	25.80 26.70	25.80 26.70	26.80 27.70	2.10 2.20

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 53.

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B", it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NO. RC-D40 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$1.54 Per Foot TYPE C STEEL AND CAST IRON

Chain—Page 46 Stock Sprockets—Page 62

PITCI

LIST PRICES AND DIMENSIONS

-		_		Stand.	LIS	T PRICES		SPROCKE	-	LIST	PRICES	CAST IR	ON SPROC	KETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Hub Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Rach	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length
30 32 34 36 38	4.783 5.101 5.419 5.737 6.055	4.471 4.789 5.107 5.425 5.743	5.057 5.377 5.696 6.015 6.334	21/8 21/8 21/8 21/8 21/8						\$ 7.80 7.90 8.00 8.10 8.30	\$ 8.70 8.80 8.90 9.00 9.20	\$ 8.70 8.80 8.90 9.00 9.20	\$ 9.60 9.70 9.80 9.90 10.10	\$.0.20 .20 .20 .20 .20
40 42 44 46 48	6.373 6.691 7.009 7.327 7.645	6.061 6.379 6.697 7.015 7.333	7.291	21/8 21/8 21/8 21/8 21/8	For suit	ing Type	"C" 91	l Sussalus	to in this	8.50 8.70 8.90 9.10 9.30	9.40 9.60 9.80 10.20 10.40	9.40 9.60 9.80 10.20 10.40	10.30 10.50 10.70 11.30 11.50	.20 .20 .20 .20 .20
50 52 54 56 58	7.963 8.281 8.599 8.917 9.236	7.651 7.969 8.287 8.605 8.294	8.885 9.203	21/8 21/8 21/8 21/8 21/8	block, u	se prices	on opposi	te page p charges.	dus addi-	9.50 9.80 10.00 10.20 10.50	10.60 10.90 11.10 11.30 11.60	10.60 10.90 11.10 11.30 11.60	11.70 12.00 12.20 12.40 12.70	.20 .20 .20 .20 .20
60 62 64 66 68	10.508	9.878 10.196	9.841 10.159 10.478 10.796 11.115	21/8 25/8 25/8 25/8 25/8						10.80 11.00 11.20 11.40 11.60	11.90 12.10 12.30 12.50 12.70	11.90 12.10 12.30 12.50 12.70	13.00 13.20 13.40 13.60 13.80	.20 .20 .20 .20 .20
72 74 76	11.463 11.781 12.099	11.151 11.469 11.787	11.434 11.752 12.071 12.389 12.708	23/8 23/8 23/8 23/8 23/8	\$25.00		EEL SPR	OCKETS \$27.50	\$ 0.40	11.80 12.00 12.20 12.40 12.50	12.90 13.10 13.30 13.50 13.60	12.90 13.10 13.30 13.50 13.60	14.00 14.20 14.40 14.60 14.70	.20 .25 .25 .25 .25
80 82 84 86 88	13.054 13.372 13.690	12.742 13.060 13.378	13.026 13.345 13.663 13.982 14.300	23/6 25/6 25/6 25/6 25/6 25/6	25.60 26.20 26.80 27.40 28.00	26.90 27.50 28.10 28.70 29.30	26.80 27.40 28.00 28.60 29.20	28.10 28.70 29.30 29.90 30.50	.40 .40 .40 .40	12.60 12.80 13.00 13.30 13.60	13.70 13.90 14.10 14.40 14.70	13.70 13.90 14.10 14.40 14.70	14.80 15.00 15.20 15.50 15.80	.25 .25 .25 .25 .25
90 92 94 96 98	14.645 14.963 15.281	14.333 14.651 14.969	14.618 14.937 15.255 15.573 15.892	25% 25% 25% 25% 25%	28.60 29.20 29.80 30.40 31.00	29.90 30.50 31.10 31.70 32.30	29.80 30.40 31.00 31.60 32.20	31.10 31.70 32.30 32.90 33.50	.40 .40 .40 .40	14.00 14.40 14.80 15.20 15.50	15.10 15.60 16.00 16.40 16.70	15.10 15.60 16.00 16.40 16.70	16.20 16.80 17.20 17.60 17.90	.25 .25 .25 .25 .25
100 102 104 106 108	16.236 16.555 16.873	15.924 16.243 16.561	16.210 16.529 16.847 17.166 17.483	25/4 25/4 25/4	31.60 32.40 33.20 34.00 34.80	32.90 33.70 34.50 35.30 36.10	32.80 33.60 34.40 35.20 36.00	34.10 34.90 35.70 36.50 37.30	.40 .40 .40 .40	15.80 16.10 16.40 16.70 17.00	17.00 17.30 17.60 17.90 18.20	17.00 17.30 17.60 17.90 18.20	18.20 18.50 18.80 19.10 19.40	.25 .25 .25 .25 .25
110 112 114 116 117	17.828 18.146 18.464	17.516 17.834 18.152	17.803 18.120 18.439 18.757 18.917	25% 25% 25% 25% 25%	35.60 36.50 37.40 38.30 39.20	36.90 37.80 38.70 39.60 40.50	36.80 37.70 38.60 39.50 40.40	38.10 39.00 39.90 40.80 41.70	.40 .40 .40 .40	17.30 17.60 17.90 18.30 18.50	18.50 18.80 19.10 19.50 19.70	18.50 18.80 19.10 19.50 19.70	19.70 20.00 20.30 20.70 20.90	.25 .25 .25 .25 .25
118 120			19.076 19.394		40.10 41.00	41.40 42.30	41.30 42.20	42.60 43.50	.40	21.40 21.80	22.60 23.00	22.60 23.00	23.80 24.20	.25 .25

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 53.

DOUBLE WIDTH SPROCKETS (MADE-TO-ORDER)

5/8"
PITCH LIST PRICE OF CHAIN \$1.76 Per Foot

TYPE B STEEL

Chain—Page 46 Stock Sprockets—Page 62

-				Stand.	LIST P	RICES-NO	T HARDE	NED SPR	OCKETS	LIST	PRICES-	-HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Hub Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Sest and Set Screw	For Rach Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extre 14" Hub Length
8 9 10 11 12	1.633 1.827 2.023 2.219 2.415	1.427 1.623 1.819	2.092 2.299 2.504	13/4 13/4 13/4 13/4 13/4	\$ 4.90 5.00 5.10 5.20 5.30	\$ 5.70 5.80 5.90 6.00 6.10	\$ 5.70 5.80 5.90 6.00 6.10	\$ 6.50 6.60 6.70 6.80 6.90	\$ 0.10 .10 .10 .10 .10	\$ 7.20 7.30 7.40 7.50 7.60	\$ 8.00 8.10 8.20 8.30 8.40	\$ 8.00 8.10 8.20 8.30 8.40	\$ 8.80 8.90 9.00 9.10 9.20	\$ 0.15 .15 .15 .15 .20
13 14 15 16 17	2.612 2.809 3.006 3.204 3.401		2.911 3.114 3.316 3.517 3.719	13/4 13/4 13/4 13/4 13/4	5.40 5.50 5.70 5.90 6.00	6.20 6.30 6.50 6.70 6.80	6.20 6.30 6.50 6.70 6.80	7.00 7.10 7.30 7.50 7.60	.10 .10 .10 .10 .20	7.70 7.80 8.10 8.30 8.40	8.50 8.60 8.90 9.10 9.20	8.50 8.60 8.90 9.10 9.20	9.30 9.40 9.70 9.90 10.00	.20 .20 .20 .20 .35
18 19 20 21 22	3.599 3.797 3.995 4.194 4.392	3.199 3.397 3.595 3.794 3.992	4.121	13/4 13/4 13/4 13/4 13/4 13/8	6.20 6.30 6.40 6.60 6.80	7.00 7.10 7.30 7.50 7.70	7.00 7.10 7.30 7.50 7.70	7.80 7.90 8.20 8.40 8.60	.20 .20 .20 .20 .20	8.60 8.70 8.80 9.05 9.30	9.40 9.50 9.70 9.95 10.20	9.40 9.50 9.70 9.95 10.20	10.20 10.30 10.60 10.85 11.10	.35 .35 .35 .35
23 24 25 26 27	4.590 4.788 4.987 5.185 5.384	4.388	5.123	17/6 17/6 17/6 17/6 17/6	7.00 7.20 7.50 7.80 8.10	7.90 8.10 8.40 8.70 9.00	7.90 8.10 8.40 8.70 9.00	8.80 9.00 9.30 9.60 9.90	.20 .30 .30 .30 .30	9.55 9.80 10.20 10.60 11.00	10.45 10.70 11.10 11.50 11.90	10.45 10.70 11.10 11.50 11.90	11.35 11.60 12.00 12.40 12.80	.35 .45 .45 .45 .45
28 29 30 31 32	5.582 5.781 5.979 6.178 6.376	5.778		17/6 17/6 17/6 17/6 17/6	8.40 8.80 9.20 9.55 9.90	9.30 9.70 10.10 10.45 10.80	9.30 9.70 10.10 10.45 10.80	10.20 10.60 11.00 11.35 11.70	.40 .40 .50 .50	11.40 11.90 12.40 12.85 13.30	12.30 12.80 13.30 13.75 14.20	12.30 12.80 13.30 13.75 14.20	13.20 13.70 14.20 14.65 15.10	.55 .55 .65 .65
33 34 35 36 37	6.575 6.774 6.972 7.171 7.370	6.374 6.572 6.771	6.920 7.120 7.319 7.519 7.718	17/6 17/6 17/6 17/6 17/6	10.25 10.60 11.00 11.40 11.80	11.15 11.50 11.90 12.30 12.70	11.15 11.50 11.90 12.30 12.70	12.05 12.40 12.80 13.20 13.60	.60 .60 .60 .70	13.75 14.20 14.70 15.20 15.70	14.65 15.10 15.60 16.10 16.60	14.65 15.10 15.60 16.10 16.60	15.55 16.00 16.50 17.00 17.50	.65 .75 .75 .85
38 39 40 42 44	7.569 7.767 7.966 8.363 8.761	7.963	7.918 8.117 8.316 8.715 9.114	17/8 17/8 21/8 21/8 21/8	12.20 12.60 13.00 13.90 14.80	13.10 13.50 13.90 14.80 15.70	13.10 13.50 13.90 14.80 15.70	14.00 14.40 14.80 15.70 16.60	.80 .80 .90 1.00 1.10	16.20 16.70 17.20 18.30 19.40	17.10 17.60 18.10 19.20 20.30	17.10 17.60 18.10 19.20 20.30	18.00 18.50 19.00 20.10 21.20	.95 .95 1.05 1.20 1.30
46 48 50 52 54	9.159 9.556 9.954 10.351 10.749	9.156 9.554 9.951	9.512 9.911 10.309 10.708 11.106	21/6 21/6 21/6 21/6 21/6	15.70 16.60 17.50 18.40 19.30	16.80 17.70 18.60 19.50 20.40	16.80 17.70 18.60 19.50 20.40	17.90 18.80 19.70 20.60 21.50	1.20 1.30 1.40 1.50 1.60	20.50 21.60 22.70 23.80 24.90	21.60 22.70 23.80 24.90 26.00	21.60 22.70 23.80 24.90 26.00	22.70 23.80 24.90 26.00 27.10	1.40 1.50 1.60 1.70 1.80
56 58 60 61	11.544	11.542	11.504 11.903 12.306 12.500	21/8 21/8 21/8 21/8	20.20 21.20 22.20 22.80	21.30 22.40 23.30 23.90	21.30 22.40 23.30 23.90	22.40 23.50 24.40 25.00	1.70 1.80 1.90 2.00	26.10 27.40 28.70 29.50	27.20 28.50 29.80 30.60	27.20 28.50 29.80 30.60	28.30 29.60 30.90 31.70	1.90 2 00 2.10 2.20

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 54.

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B", it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NO. RC-D50 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$1.76 Per Foot TYPE C STEEL AND CAST IRON

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PITCH

						LIST	PRICES A	ND DIMEN	SIONS					
				Stand. Hub	LI	ST PRICE	S-STEEL	SPROCKE	TS	LIST	PRICES-	CAST IR	ON SPROC	KETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length
26 28 30 32 34	5.185 5.582 5.979 6.376 6.774	5.976	5.523 5.922 6.321 6.721 7.120	21/2 21/2 21/2 21/2 21/2						\$ 8.20 8.50 8.80 9.10 9.40	\$ 9.10 9.40 9.70 10.00 10.30	\$ 9.10 9.40 9.70 10.00 10.30	\$10.00 10.30 10.60 10.90 11.20	\$ 0.20 .20 .20 .20 .20 .20
36 38 40 42 44	7.171 7.569 7.966 8.363 8.761	6.771 7.169 7.566 7.963 8.361	7.519 7.918 8.316 8.715 9.114	21/2 21/2 21/2 21/2 21/2	For pric	se prices	on opposi	l Sprocket te page p charges.	s in this lus addi-	9.80 10.10 10.50 10.90 11.20	10.70 11.00 11.40 12.10 12.40	10.70 11.00 11.40 12.10 12.40	11.60 11.90 12.30 13.30 13.60	.20 .20 .20 .20 .20
46 48 50 52 54	9.159 9.556 9.954 10.351 10.749	9.554 9.951	9.512 9.911 10.309 10.708 11.106	21/2 21/2 23/4 23/4 23/4						11.50 11.80 12.10 12.50 12.90	12.70 13.00 13.30 13.70 14.10	12.70 13.00 13.30 13.70 14.10	13.90 14.20 14.50 14.90 15.30	.20 .20 .20 .20 .20
56 58 60 62 64	11.544 11.942 12.340	11.542	11.903 12.306 12.699	2¾ 2¾ 2¾ 3	\$26.40 26.80	\$27.80 28.20	\$27.60 28.00		\$ 0.40	13.30 13.70 14.10 14.50 14.90	14.50 14.90 15.30 15.70 16.10	14.50 14.90 15.30 15.70 16.10	15.70 16.10 16.50 16.90 17.30	.20 .20 .20 .25 .25
70 72	13.533 13.931 14.329	13.133 13.531 13.929	14.292	3 3 3 3	27.20 27.60 28.00 28.40 28.80	28.60 29.00 29.40 29.80 30.20	28.40 28.80 29.20 29.60 30.00	29.80 30.20 30.60 31.00 31.40	.40 .40 .40 .40	15.30 15.70 16.10 16.50 16.90	16.50 16.90 17.30 17.70 18.10	16.50 16.90 17.30 17.70 18.10	17.70 18.10 18.50 18.90 19.30	.25 .25 .25 .25 .25
80 82	15.522 15.920 16.317	15.122 15.520 15.917	16.283	3 3 3 3 3 3 3 4	29.20 29.60 30.00 31.00 32.00	30.60 31.00 31.40 32.60 33.60	30.40 30.80 31.20 32.50 33.50	31.80 32.20 32.60 34.10 35.10	.40 .40 .40 .40 .40	17.30 17.60 17.90 18.20 18.50	18.50 18.80 19.10 19.70 20.00	18.50 18.80 19.10 19.70 20.00	19.70 20.00 20.30 21.20 21.50	.25 .25 .25 .25 .25
92	17.909 18.306	17.509 17.906		31/4 31/4 31/4 31/4 31/4	33.00 34.00 35.00 36.00 37.00	34.60 35.60 36.60 37.60 38.60	34.50 35.50 36.50 37.50 38.50	36.10 37.10 38.10 39.10 40.10	.40 .40 .40 .50	18.80 19.10 19.40 19.80 20.00	20.30 20.60 20.90 21.30 21.50	20.30 20.60 20.90 21.30 21.50	21.80 22.10 22.40 22.80 23.00	.25 .25 .25 .30 .30
98 100	18.704 19.102 19.500 19.898 20.295	18.702 19.100 19.498	20.263	31/4 31/4 31/4 31/4 31/4	38.00 39.00 40.00 41.00 42.00	39.60 40.60 41.60 42.60 43.60	39.50 40.60 41.50 42.50 43.50	41.10 42.10 43.10 44.10 45.10	.50 .50 .50 .50	23.00 23.60 24.10 24.60 25.20	24.50 25.10 25.60 26.10 26.70	24.50 25.10 25.60 26.10 26.70	26.00 26.60 27.10 27.60 28.20	.30 .30 .30 .30 .30
106 108	21.091	20.691 21.089 21.487	21.855	31/4 31/4 31/4 31/4 31/4	43.00 44.00 45.00 46.00 47.00	44.60 45.60 46.60 47.60 48.60	44.50 45.50 46.50 47.50 48.50	46.10 47.10 48.10 49.10 50.10	.50 .50 .50 .50	25.60 26.00 26.40 26.80 27.20	27.10 27.50 27.90 28.30 28.70	27.10 27.50 27.90 28.30 28.70	28.60 29.00 29.40 29.80 30.20	.30 .30 .30 .30 .30
120	23.080 23.478	23.476	23.447 23.845 24.243	31/4 31/4 31/4 31/4	48.00 49.00 50.00 51.00	49.60 50.60 51.60 52.60	49.50 50.50 51.50 52.50	51.10 52.10 53.10 54.10	.50 .50 .50 .50	27.70 28.20 28.70 29.30	29.20 29.70 30.20 30.80	29.20 29.70 30.20 30.80	30.50 31.20 31.70 32.30	.30 .30 .30 .30

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 54.

DOUBLE WIDTH SPROCKETS (MADE-TO-ORDER)

LIST PRICE OF CHAIN PITCH \$2.20 Per Foot

TYPE B STEEL

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Magnition				Stand. Hub	LIST PE	RICES-NO	T HARDE	NED SPR	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/4" Hub Length
8 9 10 11 12	1.960 2.193 2.427 2.662 2.898	1.724 1.958 2.193	2.759	21/8 21/8 21/8 21/8 21/8	\$ 5.30 5.40 5.50 5.60 5.70	\$ 6.20 6.30 6.40 6.50 6.60	\$ 6.20 6.30 6.40 6.50 6.60	\$ 7.10 7.20 7.30 7.40 7.50	\$ 0.10 .10 .10 .10 .10	\$ 7.60 7.70 7.80 7.90 8.00	\$ 8.50 8.60 8.70 8.80 8.90	\$ 8.50 8.60 8.70 8.80 8.90	\$ 9.40 9.50 9.60 9.70 9.80	\$ 0.20 .20 .20 .20 .20
13 14 15 16 17	3.134 3.371 3.607 3.844 4.082	2.665 2.902 3.139 3.376 3.613	3.737 3.979 4.220	21/8 21/8 21/8 21/8 21/8	5.90 6.20 6.40 6.70 6.90	6.80 7.10 7.30 7.60 7.80	6.80 7.10 7.30 7.60 7.80	7.70 8.00 8.20 8.50 8.70	.20 .20 .20 .20 .30	8.30 8.60 8.80 9.10 9.40	9.20 9.50 9.70 10.00 10.30	9.20 9.50 9.70 10.00 10.30	10.10 10.40 10.60 10.90 11.20	.30 .35 .35 .35 .45
18 19 20 21 22	4.319 4.557 4.794 5.032 5.270	3.850 4.088 4.326 4.563 4.801	4.945 5.186	21/8 21/8 21/8 21/8 21/8	7.20 7.50 7.70 8.00 8.40	8.10 8.40 8.60 9.10 9.50	8.10 8.40 8.60 9.10 9.50	9.00 9.30 9.50 10.20 10.60	.30 .30 .40 .40 .40	9.80 10.20 10.50 10.90 11.40	10.70 11.10 11.40 12.00 12.50	10.70 11.10 11.40 12.00 12.50	11.60 12.00 12.30 13.10 13.60	.45 .50 .60 .60
23 24 25 26 27	5.508 5.746 5.984 6.222 6.460	5.515 5.753	6.147 6.387 6.627	21/8 21/8 21/8 21/8 21/8	8.80 9.20 9.60 10.00 10.40	9.90 10.30 10.70 11.10 11.50	9.90 10.30 10.70 11.10 11.50	11.00 11.40 11.80 12.20 12.60	.40 .50 .50 .50	12.00 12.60 13.10 13.60 14.10	13.10 13.70 14.20 14.70 15.20	13.10 13.70 14.20 14.70 15.20	14.20 14.80 15.30 15.80 16.30	.60 .60 .70 .70
28 29 30 31 32	6.699 6.937 7.175 7.413 7.652	6.945	7.346 7.586 7.826	21/8 21/8 21/8 23/8 23/8	10.80 11.30 11.80 12.20 12.70	11.90 12.40 12.90 13.30 13.80	11.90 12.40 12.90 13.30 13.80	13.00 13.50 14.00 14.40 14.90	.60 .60 .60 .70	14.60 15.30 16.00 16.50 17.20	15.70 16.40 17.10 17.60 18.30	15.70 16.40 17.10 17.60 18.30	16.80 17.50 18.20 18.70 19.40	.70 .80 .80 .80
33 34 35 36 37	7.890 8.129 8.367 8.605 8.844	8.137	8.783 9.023	23/8 23/8 23/8 23/8 23/8	13.20 13.70 14.20 14.70 15.30	14.30 14.80 15.30 16.10 16.70	14.30 14.80 15.30 16.10 16.70	15.40 15.90 16.40 17.50 18.10	.70 .80 .80 .90	17.80 18.40 19.10 19.80 20.50	18.90 19.50 20.20 21.20 21.90	18.90 19.50 20.20 21.20 21.90	20.00 20.40 21.30 22.60 23.30	.90 1.00 1.00 1.10 1.10
38 39 40 41 42	9.082 9.321 9.559 9.789 10.036	9.329	9.740	23/8 23/8 23/8 23/8 23/8 23/8	15.90 16.50 17.10 17.70 18.30	17.30 17.90 18.50 19.10 19.70	17.30 17.90 18.50 19.10 19.70	18.70 19.30 19.90 20.50 21.10	1.00 1.00 1.10 1.10 1.20	21.30 22.10 22.90 23.70 24.60	22.70 23.50 24.30 25.10 26.00	22.70 23.50 24.30 25.10 26.00	24.10 24.90 25.70 26.50 27.40	1.20 1.20 1.30 1.30 1.40
43 44 45 46 47	10.275 10.513 10.752 10.990 11.229	10.044 10.283 10.522	10.937 11.176 11.414	23/8 23/8 23/8 23/8 23/8 23/8	19.00 19.70 20.50 21.40 22.30	20.40 21.10 21.90 22.80 23.70	20.40 21.10 21.90 22.80 23.70	21.80 22.50 23.40 24.20 25.10	1.30 1.40 1.50 1.60 1.70	25.50 26.50 27.50 28.70 29.80	26.90 27.90 28.90 30.10 31.20	26.90 27.90 28.90 30.10 31.20	28.30 29.30 30.30 31.50 32.60	1.50 1.60 1.70 1.80 1.90
	11.706	11.237	11.893 12.132 12.371	23/8 23/8 23/8	23.20 24.10 25.00	24.60 25.50 26.40	24.60 25.50 26.40	26.00 26.90 27.80	1.80 1.90 2.00	31.00 32.10 33.30	32.40 33.50 34.70	32.40 33.50 34.70	33.80 34.90 36.10	2.00 2.10 2.20

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NO. RC-D60 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$2.20 Per Foot TYPE C STEEL AND CAST IRON

LIST PRICES AND DIMENSIONS

Chain—Page 46 Stock Sprockets—Page 63

PITCH

_		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Stand.		- 11 mm 1 mm 1 mm		ND DIMEN	-	11				
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Hub Length, Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Rach Extra %" Hub Length
20 22 24 26 28	4.794 5.270 5.746 6.222 6.699	5.277	5.666 6.147 6.627	234 234 234 234 234						\$ 8.30 8.70 9.10 9.50 9.90	\$ 9.50 9.90 10.30 10.70 11.10	\$ 9.50 9.90 10.30 10.70 11.10	\$10.70 11.10 11.50 11.90 12.30	\$ 0.20 .20 .20 .20 .20 .20
30 32 34 36 38	7.175 7.652 8.129 8.605 9.082	7.183 7.660 8.137	8.065 8.544 9.023	234 234 234 234 234	For pri	eing Type 18e prices tional h	on oppos	el Sprocke ite page p h charges	dus addi-	10.30 10.80 11.30 11.80 12.30	11.50 12.00 12.50 13.00 13.50	11.50 12.00 12.50 13.00 13.50	12.70 13.20 13.70 14.20 14.70	.20 .20 .20 .20 .20
40 42 44 46 48	10.990	9.567 10.044 10.522	9.980 10.458 10.937 11.414 11.893	2¾ 3 3 3 3						12.80 13.40 13.90 14.40 14.90	14.00 14.60 15.10 16.00 16.50	14.00 14.60 15.10 15.90 16.40	15.20 15.80 16.30 17.50 18.00	.20 .20 .20 .25 .25
50 52 54 56 58	12.422 12.899 13.376	12.430	12.371 12.849 13.327 13.805 14.283	3 3 3 3	\$29.00 30.00 31.00 32.20	\$30.70 31.70 32.70 33.90	\$30.50 31.50 32.50 33.70	\$32.20 33.20 34.20 35.40	\$ 0.50 .50 .50 .50	15.40 16.00 16.60 17.20 17.80	17.00 17.60 18.20 18.80 19.40	16.90 17.50 18.10 18.70 19.30	18.50 19.10 19.70 20.30 20.90	.25 .25 .25 .25 .25
60 62 64 66 68	14.808 15.285 15.762	14.816	14.761 15.239 15.716 16.195 16.673	3 3 3 3	34.00 35.90 37.70 39.60 41.40	35.70 37.60 39.40 41.30 43.10	35.50 37.40 39.20 41.10 42.90	37.40 39.10 40.90 42.80 44.60	.50 .50 .50 .50	18.40 19.00 19.60 20.20 20.80	20.00 20.60 21.20 21.80 22.40	19.90 20.50 21.10 21.70 22.30	21.50 22.10 22.70 23.30 23.90	.25 .25 .25 .25 .25
70 72 74 76 77	17.194 17.671 18.149	16.725 17.203	17.150 17.628 18.106 18.584 18.822	3 3	43.30 45.10 47.00 48.80 49.75	45.00 46.80 48.70 50.50 51.45	44.80 46.60 48.50 50.30 51.25	46.50 48.60 50.20 52.00 52.95	.50 .50 .50 .50	21.70 22.60 23.50 24.50 25.00	23.30 24.20 25.10 26.10 26.60	23.20 24.10 25.00 26.00 26.50	24.80 25.70 26.60 27.60 28.10	.25 .30 .30 .30 .30
78 80 82 84 86	19.103 19.581 20.058	18.635 19.117	19.061 19.539 20.017 20.495 20.972	31/2	50.70 52.50 54.40 56.20 58.10	52.40 54.20 56.10 57.90 60.10	52.20 54.00 55.90 57.70 59.60	53.90 55.70 57.60 59.40 61.60	.50 .50 .50 .50 .60	27.40 28.00 28.60 29.20 29.90	29.00 29.60 30.20 30.80 31.90	28.90 29.50 30.10 30.70 31.40	30.50 31.10 31.70 32.30 33.40	.30 .30 .30 .30 .30
88 90 92 94 96	21.490 21.968 22.445	21.021 21.499 21.976	21 .449 21 .927 22 .405 22 .883 23 .360	31/2 31/2 31/6	59.90 61.80 63.60 65.50 67.50	61.90 63.80 65.60 67.50 69.50	61.40 63.30 65.10 67.00 69.00	63.40 65.30 67.10 69.00 71.00	.60 .60 .60 .60	30.60 31.30 32.00 32.70 33.70	32.60 33.30 34.00 34.70 35.70	32.10 32.80 33.50 34.20 35.20	34.10 34.80 35.50 36.20 37.20	.30 .30 .30 .30 .35
98 100	23.400 23.877	22.93 23.40	23.837 24.315	3½ 3½	69.50 71.50	71.50 73.50	71.00 73.90	73.00 75.00	.60	34.70 35.70	36.70 37.70	36.20 37.20	38.20 39.20	.35 .35

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sprockets with intermediate numbers of teeth, see page 54.

DOUBLE WIDTH SPROCKETS (MADE-TO-ORDER)

PITCH

LIST PRICE OF CHAIN \$3.74 Per Foot

TYPE B STEEL

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				Stand. Hub	LIST P		OT HARD	ENED SPE	OCKETS	LIST	PRICES-		ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Bach Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hut Length
8 9 10 11 12	2.613 2.924 3.236 3.549 3.864	2.299 2.611 2.924	3.347 3.678 4.006	21/2 21/2 21/2 21/2 21/2 21/2	\$ 6.20 6.50 6.80 7.10 7.40	\$ 7.10 7.40 7.70 8.00 8.30	\$ 7.10 7.40 7.70 8.00 8.30	\$ 8.00 8.30 8.60 8.90 9.20	\$ 0.10 .10 .20 .20 .20	\$ 8.60 8.90 9.30 9.60 9.90	\$ 9.50 9.80 10.20 10.50 10.80	\$ 9.50 9.80 10.20 10.50 10.80	\$10.40 10.70 11.10 11.40 11.70	\$ 0.20 .20 .30 .30 .30
13 14 15 16 17	4.179 4.494 4.810 5.126 5.442	3.869 4.185 4.501	4.982 5.305 5.627	2½ 2½ 2½ 2½ 2¾ 2¾	7.70 8.00 8.40 9.00 9.60	8.60 8.90 9.30 10.20 10.80	8.60 8.90 9.30 10.20 10.80	9.50 9.80 10.20 11.40 12.00	.30 .30 .40 .40 .50	10.40 10.90 11.50 12.30 13.10	11.30 11.80 12.40 13.50 14.30	11.30 11.80 12.40 13.50 14.30	12.20 12.70 13.30 14.70 15.50	.40 .50 .60 .60
18 19 20 21 22	5.759 6.076 6.393 6.710 7.027	5.451 5.768 6.085	6.593 6.914 7.235	2¾ 2¾ 2¾ 2¾ 2¾	10.30 11.00 11.70 12.40 13.10	11.50 12.20 12.90 13.60 14.30	11.50 12.20 12.90 13.60 14.30	12.70 13.40 14.10 14.80 15.50	.50 .60 .60 .60	14.00 14.90 15.80 16.80 17.80	15.20 16.10 17.00 18.00 19.00	15.20 16.10 17.00 18.00 19.00	16.40 17.30 18.20 19.20 20.20	.70 .70 .70 .80
23 24 25 26 27	7.344 7.661 7.979 8.296 8.614	7.036 7.354 7.671	8.196 8.516 8.836	2% 2% 3 3	13.80 14.60 15.30 16.30 17.30	15.00 15.80 16.80 17.80 18.80	15.00 15.80 16.80 17.80 18.80	16.20 17.00 18.30 19.30 20.30	.70 .80 .80 .90 1.00	18.80 19.90 20.90 22.20 23.50	20.00 21.10 22.40 23.70 25.00	20 00 21 10 22 40 23 70 25 00	21.20 22.30 23.90 25.20 26.50	.90 1.00 1.10 1.20 1.30
28 29 30 31 32	8.932 9.249 9.567 9.885 10.202	8.624 8.942 9.260	9.475 9.795 10.114 10.434 10.753	3 3 3 3	18.30 19.30 20.30 21.30 22.30	19.80 20.80 21.80 22.80 23.80	19.80 20.80 21.80 22.80 23.80	21.30 22.30 23.30 24.30 25.30	1.10 1.20 1.30 1.40 1.50	24.80 26.10 27.40 28.70 30.00	26.30 27.60 28.90 30.20 31.50	26.30 27.60 28.90 30.20 31.50	27.80 29.10 30.40 31.70 33.00	1.40 1.50 1.60 1.70 1.80
33 34 35 36 37	10.838 11.156	10.213 10.531 10.849	12.030	3 3 3 3	23.40 24.50 25.60 26.70 27.80	24.90 26.00 27.10 28.20 29.30	24.90 26.00 27.10 28.20 29.30	26.40 27.50 28.60 29.70 30.80	1.60 1.70 1.80 1.90 2.00	31.50 33.00 34.50 36.00 37.50	33.00 34.50 36.00 37.50 39.00	33.00 34.50 36.00 37.50 39.00	34.50 36.00 37.50 39.00 40.50	1.90 2.00 2.10 2.20 2.30

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.



Double Width Chain Drives from Link-Belt Herringbone Reducer, operating wire drawing bench.



Belt Conveyor under scrap tobacco screen driven by Double Width Chain.

FOR NO. RC-D80 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN

TYPE C STEEL AND CAST IRON

Chain—Page 46 Stock Sprockets—Page 63

LIST PRICES AND DIMENSIONS

63 PIICH

						LIST	PRICES A	ND DIMEN	ISIONS					
		-	1	Stand. Hub	LE	ST PRICE	S-STEEL	SPROCKE	TS	LIS	PRICES	-CAST IR	ON SPROC	KETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Bach Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length
20 22 24 26 28	6.393 7.027 7.661 8.296 8.932	5.768 6.402 7.036 7.671 8.307	7.555 8.196 8.836	314 314 314 314 314	F		UC21 94-	el Sprocke		\$12.00 12.60 13.20 13.80 14.50	\$13.20 13.80 14.40 15.00 15.70	\$13.20 13.80 14.40 15.00 15.70	\$14.40 15.00 15.60 16.20 16.90	\$ 0.25 .25 .25 .25 .25 .25
30 32 34 36 38	11.474	8.942 9.577 10.213 10.849 11.485	12.030	314 314 314 314 334	block t	se prices	on oppos	ite page p	dus addi-	15.20 16.10 17.00 18.00 18.90	16.40 17.30 18.20 19.50 20.40	16.40 17.30 18.20 19.50 20.40	17.60 18.50 19.40 21.00 21.90	.25 .25 .25 .30 .30
40 42 44 46 48	13.382 14.018 14.654	12.121 12.757 13.393 14.029 14.665	13.944 14.582 15.219	334 334 334 334	\$34.00 35.00 36.90 38.90	\$35.60 36.60 38.50 40.50	\$35.50 36.50 38.40 40.40	\$37.10 38.10 40.00 42.00	\$ 0.60 .60 .60	19.80 20.80 21.80 22.80 23.80	21.30 22.30 23.30 24.30 25.30	21.30 22.30 23.30 24.30 25.30	22.80 23.80 24.80 25.80 26.80	.30 .30 .30 .30
54 56	16.562 17.198 17.835	15.301 15.937 16.573 17.210 17.528	17.132 17.769 18.406	33/4 33/4 33/4 33/4	41.00 43.00 45.00 47.10 48.10	42.60 44.80 46.80 48.90 49.90	42.50 44.50 46.50 48.60 49.60	44.10 46.30 48.30 50.40 51.40	.60 .60 .60	24.80 25.90 27.00 28.10 28.70	26.30 27.60 28.70 29.80 30.40	26.30 27.40 28.50 29.60 30.20	27.80 29.10 30.20 31.30 31.90	.30 .30 .30 .35 .35
58 60 62 64 66	19.107 19.744 20.380	17.846 18.482 19.119 19.755 20.391	19.681 20.318 20.955	334 334 334 4	49.10 51.10 53.20 55.20 57.20	50.90 52.90 55.00 57.00 59.20	50.60 52.60 54.70 56.70 58.80	52.40 54.40 56.50 58.50 60.80	.60 .70 .70 .70 .70	32.20 33.30 34.40 35.50 36.60	33.90 35.00 36.10 37.20 38.50	33.70 34.80 35.90 37.00 38.10	35.40 36.50 37.60 38.70 40.00	.35 .35 .35 .35
70 72 74	22.289 22.926 23.562	21 .028 21 .664 22 .301 22 .937 23 .573	22.867 23.504 24.141	4 4 4 4	59.30 61.30 63.30 65.40 67.40	61.40 63.40 65.40 67.50 69.50	60.90 62.90 64.90 67.00 69.00	63.00 65.00 67.00 69.10 71.10	.70 .70 .70 .70	37.70 38.90 40.10 41.40 42.70	39.60 40.80 42.00 43.30 44.60	39.20 40.40 41.60 42.90 44.20	41.10 42.30 43.50 44.80 46.10	.35 .35 .35 .35 .35
80 82 84	25.471 26.108 26.744	24 .210 24 .846 25 .483 26 .119 26 .756	26.052 26.689 27.326	4 4 434 434 434	69.40 71.50 73.50 75.50 77.60	71.80 73.80 75.90 77.90 80.00	71.00 73.10 75.10 77.10 79.20	73.10 75.20 77.50 79.50 81.60	.70 .70 .80 .80	43.90 45.10 46.40 47.70 49.00	45.80 47.00 48.60 49.90 51.20	45.40 46.60 47.90 49.20 50.50	47.30 48.50 50.10 51.40 52.70	.35 .40 .40 .40
90 92 94	28.654 29.290 29.926	27.392 28.029 28.665 29.301 29.938	29.236 29.873 30.510	414 414 414 414 414	79.60 81.70 83.70 85.70 87.70	82.00 84.10 86.10 88.10 90.10	81.20 83.30 85.30 87.30 89.30	83.60 85.70 87.70 89.70 91.70	.80 .80 .80 .80	50.30 51.60 52.90 54.20 55.60	52.50 53.80 55.10 56.40 57.80	51.80 53.10 54.40 55.70 57.10	54.00 55.30 56.60 57.90 59.30	.40 .40 .40 .40 .40
		30.574 31.211	31.783 32.420	41/4 41/4	89.70 91.70	92.10 94.10	91.30 93.30	93.70 95.70	.80 .80	57.10 58.70	59.30 60.90	58.60 60.20	60.80 62.40	.40 .40

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 55.

DOUBLE WIDTH SPROCKETS (MADE-TO-ORDER)

	-	4.40 Per	-		Stand,			PRICES AN			LIST			kets—P	
ı	Number of Teeth	Pitch Diam., Inches	Diam., Inches	Outside Diam., Inches	Hub Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hui Length
	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	3.655 4.045 4.437 5.223 5.617 6.407 7.595 7.991 8.387 9.180 9.577 9.973 10.370	2.905 3.295 3.687 4.080 4.473 4.867 5.262 5.657 6.053 6.448 6.845 7.241 7.637 7.637 8.430 8.827 9.229	4.598 5.008 5.415 5.821 6.228 6.631 7.034 7.438 7.839 8.241 8.643	######################################	\$ 7.00 7.50 8.10 8.70 9.40 11.40 11.40 12.40 14.50 15.680 18.10 19.40 22.070 22.00 24.80 26.30	\$ 8.00 8.50 9.70 10.40 111.70 12.70 13.70 14.70 15.80 16.90 21.00 22.30 23.60 26.40 27.90	\$ 8.00 9.10 9.70 10.40 11.70 12.70 13.70 14.70 15.80 16.90 21.00 22.30 23.60 26.40 27.90 29.40	\$ 9.00 9.50 10.10 10.70 111.400 14.00 15.00 17.10 18.20 19.40 20.70 22.60 22.60 28.00 29.50	\$ 0.20 .30 .40 .40 .50 .50 .60 .70 .80 .90 1.10 1.20 1.30 1.50	\$ 9.70 10.30 111.00 111.70 12.60 15.20 16.60 19.50 21.50 22.60 24.30 26.00 27.80 29.50 33.10 35.00	\$10.70 11.30 12.00 12.70 13.60 15.20 16.50 17.90 20.80 22.30 20.80 22.39 25.60 29.40 31.10 36.60 38.50	\$10.70 11.30 12.00 12.70 13.60 16.50 17.90 20.80 22.30 20.80 22.39 25.60 29.40 31.10 36.50 34.70 36.50	\$11.70 12.30 13.00 13.70 14.65 16.50 17.80 19.20 20.60 22.10 23.60 22.20 26.90 31.00 32.70 36.30 38.20 38.20	\$ 0.30 .40 .50 .50 .60 .80 .1.10 1.20 1.30 1.50 1.80 1.70 1.80 1.90 2.00
	29	11.164 11.561 11.958	10.811	11.844 12.244 12.643	33/4 33/4 33/4	29.30 30.80 32.30	30.90 32.40 33.90	30.90 32.40 33.90	32.50 34.00 35.50	1.80 1.90 2.00	38.80 40.70 42.60	40.40 42.40 44.20	40.40 42.30 44.20	42.00 43.90 45.80	2.10 2.20 2.30

TYPE	C	STEEL	AND	CAST	1

	İ	1				L	IST PRIC	ES-STEE!	. SPROCKI	ETS			CAST IR		
8 9 0 1 2 3 4 5 6 8	7.19 7.59 7.99 8.38 8.78 9.18 9.57 9.97 10.37	6 6 7 7 7 8 8 8 8 7 8 8 9 9 9 9	. 430 . 827 . 223 . 620	7.839 8.241 8.643 9.044 9.444 9.844 10.245 10.645 11.045	414 414 414 414 414 414 414 414	For pri	use price	es in table	el Sprocke above plu h charges.	ıs addi-	21.15 21.90 22.65 23.40	\$19.40 20.10 20.80 21.50 22.20 22.96 23.70 24.45 25.20	\$19.10 19.80 20.50 21.20 21.90 22.65 23.40 24.15 24.90	\$20.90 21.60 22.30 23.00 23.70 24.45 25.20 25.95 26.70	\$ 0.38 .38 .38 .38 .38 .38 .38 .38
õ	11.10	110	200	11.844 12.643	414		CAST :	STEEL SP	ROCKETS		25.00 26.60	26.80	26.50 28.10	28.30	.35
2	12 75	3 12	003	13.441	41/4	\$38.00	\$40.10	\$39.50	\$41.60	S .70	28.20	30.10	29.70	29.90 31.60	.30
4	13.54	7 12	797	14 240	41/4	39.40	41.50	40.90	43.00	3 .70	29.90	31.80	31.40	33.30	3
,	14 34	2 13	592	15 038	414	41.10	43.20	42.60	44.80	.80	31.70	33.60	33.20	35.10	.4
3	15.13	7 14	.387	15.835	41/4	44.10	46.20	45.60	47.80	.80	33.40	35.30	34.90	36.80	.4
•	15.93	2 15	. 182	16.633	41/4	47.10	49.20	48.60	50.70	.80	35.10	37.00	36.60	38.50	.4
1	16.72	(15	.977	17.430	41/2	50.00	52.10	51.50	53.60	.80	36.90	38.80	38.40	40:30	.4
;	17.52	10	1772	18.228 18.626	416	53.00	55.10	54.50	56.60	.80	38.70	40.60	40.20	42.10	.4
;	18 31	7117	E67	19.024	412	54.45 55.90	56.55 58.00	55.95 57.40	58.05 59.50	.80	39.50	41.40	41.00	42.90 43.80	1.4
í	19 11	2 18	362	19 821	416	58.90	61.00	60.40	62.50	.80	42.60	44.50	44.10	46.00	4
•	19.90	3 19	. 158	20.619	41/2	61.90	64.00	63.40	65.50	.80	44.80	46.70	46.30	48.20	.4
2	20.70	3 19	.953	21.415	416	64.80	66.90	66.30	68.40	.80	47.00	48.90	48.50	50.40	.4
ı	21.49	3 20	. 748	22.211	41/2	67.80	70.00	69.30	71.50	.80	49.20	51.10	50.70	52.60	.4
3	22.29	321	. 543	23.008	416	70.70	73.20	72.30	74.80	.80	51.40	53.70	52.90	55.20	.4
,	23.08	122	. 339	23.805	416	73.70	76.20	75.30 78.30	77.80	.80	53.60 55.80	55.90	55.10 57.30	57.40	.4
ź	24 68	123	. 134	25.398	432	79.60	82.10	81.20	80.80	1.00	57.90	58.10 60.20	59.40	59.60 61.70	.4
4	25.47	5 24	725	26 194	434	82.60	85.20	84.20	86.80	1.00	60.00	62.30	61.50	63.80	.5
3	26.27 27.06	25	521	26.991	434	85.50	88.50	87 10	90.10	1.00	62.10	64.90	63.60	66.40	.5
3	27.06	6 26	.316	27.788	434	88.50	91.50	90.10	93.10	1.00	64.20	67.00	65.70	68.50	. 5
)	27.86	2 27	. 112	28.584	434	91.50	94.50	93.10	96.10	1.00	66.40	69.20	67.90	70.70	.5
1	28.65	(27	.907	29.380 30.176		94.40	97.40	96.00	99.00	1.00	68.70	71.50	70.20	73.00	.5
	30.24	320	100	30.176	5	97.40	100.60	99.00	102.20	1.00	71.00	73.80 76.50	72.50 74.80	75.30	.5
3	31 04	130	204	31.769	5	103.30	106.80	101.90	105.40	1.00	73.30 75.60	78.80	77.10	78.00 80.30	.5
í	31.83	31	089	32 565	5	106.30	109.80	107.90	111.40	1.00	78.00	81.20	79.50	82.70	.6
	132.63	5/31	. 885	33.361	51/4	110.30	113.80	111.90	115.40	1.00	80.50	83.70	82.00	85.20	.6
	33.43)/32	680	34 158	514	113.50	117.00	115.10	118 60	1.00	83.00	86.20	84.50	87.70	.6
	34.22	33	476	34.953	514	117.00	120.50	118.60	122.10	1.00	85.50	88.70	87.00	90.20	.6
3	35.02	134	.271	35.749	514	120.50	124.50	122.10	126.10	1.00	88.00	91.70	89.50	93.20	.6
)	35.81	1135	.007	30.545	51/4	124.00 teeth are s	128.00	125.60	129.60	1.00	90.50	94.20	92.00	95.70	.6

FOR NOS. RC-D100 AND RC-D120 *Silverlink* Pollep Chains

		19-		Stand.	LIST P	RICES N	T HARDI	NED SPE	OCKETS	LIST	PRICES.	HARDEN	ED SPRO	CKRTS	PIT
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Hub Length Through Bore, Inches		With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Bach Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Rach	
8 9 10 11 12	3.920 4.386 4.854 5.324 5.796	3.511 3.979 4.449	5.021 5.517 6.009	3% 3% 3% 3% 3%	\$10.60 11.50 12.50 13.60 14.80	\$11.60 12.50 13.50 14.90 16.10	\$11.60 12.50 13.50 14.90 16.10	\$12.60 13.50 14.50 16.20 17.40	\$ 0.30 .30 .40 .50 .60	\$14.10 15.20 16.40 17.90 19.40	\$15.10 16.20 17.40 19.20 20.70	\$15.10 16.20 17.40 19.20 20.70	\$16.10 17.20 18.40 20.50 22.00	\$ 0.40 .40 .50 .60 .70	
13 14 15 16 17	6.268 6.741 7.215 7.689 8.163	5.866 6.340 6.814	7.473 7.958 8.441	4 4	16.30 18.00 19.70 21.40 23.20	17.60 19.30 21.30 23.00 24.80	17.60 19.30 21.30 23.00 24.80	18.90 20.60 22.90 24.60 26.40	.60 .70 .80 .90 1.00	21.50 23.80 26.20 28.50 31.00	22.80 25.10 27.80 30.10 32.60	22.80 25.10 27.80 30.10 32.60	24.10 26.40 29.40 31.70 34.20	.80 .90 1.00 1.20 1.30	TYP
18 19 20 21 22	8.638 9.113 9.589 10.064 10.540	8.238 8.714 9.189	9.890 10.371 10.853	41/4 41/4 41/4	25.00 26.80 28.60 30.40 32.20	26.60 28.40 30.50 32.30 34.10	26 60 28.40 30.50 32.30 34.10	28.20 30.00 32.40 34.20 36.00	1.10 1.20 1.30 1.40	33.40 35.90 38.50 41.00	35.00 37.50 40.40 42.90	35.00 37.50 40.40 42.90	36.60 39.10 42.30 44.80	1.40 1.50 1.60 1.70	
21 22 23	10.064 10.540	9.189 9.665 10.141	10.853 11.333 11.813	41/8	28.60 30.40 32.20 34.10 36.00	30.50 32.30 34.10 36.00 37.90	30.50 32.30 34.10 36.00 37.90	32.40 34.20 36.00 37.90 39.80	1.30 1.40 1.60 1.80 2.00			40.40 42.90 45.40 48.10 50.70	42.30 44.80 47.30 50.00 52.60	1.60 1.70 1.90 2.10 2.30	

TYPE	C	STEEL	AND	CAST	IRON

								SPROCK		LIST	PRICES-	CAST IR	ON SPROC	KETS
18 20 22 24 26	9.589 10.540 11.492	8.714 9.665 10.613	9 . 407 10 . 371 5 11 . 333 7 12 . 294 9 13 . 254	434 434 434	For pric block,	use price tional h	s in abov ub length TREL SPI		ts in this as addi-	\$24.80 27.20 29.60 32.00 34.40	\$26.70 29.10 31.50 33.90 36.70	\$26.30 28.70 31.10 33.50 35.90	\$28.20 30.60 33.00 35.40 38.20	.40 .40 .40 .40 .40
28 30 32 34 36	14.350 15.303 16.257	13 . 475 14 . 425 15 . 385	2 14 .212 5 15 .171 3 16 .130 2 17 .088 5 18 .045	434 434 434	43.80 47.70 51.60 55.50 59.40	45.30 50.20 54.10 58.00 61.90	45.40 49.30 53.20 57.10 61.00	47.90 51.80 55.70 59.60 63.50	.80 .80 .80 .80	36.80 39.20 41.60 44.00 46.40	39.10 41.50 43.90 46.30 48.70	38.30 40.70 43.10 45.50 47.90	40.60 43.00 45.40 47.80 50.20	.40 .40 .40 .40
38 40 42 44 46	19.118 20.072 21.026	18.24 19.19 20.15	9 19.002 3 19.959 7 20.916 1 21.873 5 22.829	434 434 437	63.20 67.10 71.00 74.90 78.80	65.70 69.60 73.50 77.40 81.70	64.80 68.70 72.60 76.50 80.40	67.30 71.20 75.10 79.00 83.30	1.00 1.00 1.00 1.00 1.00	48.80 51.20 53.60 56.10 58.60	51.50 53.90 56.39 58.80 61.30	50.30 52.70 55.10 57.60 60.10	53.00 55.40 57.80 60.30 62.80	.50 .50 .50 .50
48 50 52 54 56	23.889 24.843 25.798	23.01- 23.96 24.92	23.786 24.743 25.698 326.654 727.609	5 5 5	82.70 85.60 90.40 94.30 98.20	86.00 89.90 93.70 97.60 101.50	84.30 88.20 92.00 95.90 99.80	87.60 91.50 95.30 99.20 103.10	1.00 1.00 1.00 1.00 1.20	61.10 63.60 66.20 68.80 71.40	64.20 66.70 69.30 71.90 74.50	62.60 65.10 67.70 70.30 72.90	65.70 68.20 70.80 73.40 76.00	.50 .50 .50 .50
58 60 62 64 66	28.661 29.616 30.570	27.78 28.74 29.69	28.566 5 29.522 1 30.477 5 31.433 0 32.390	5 514 514	102.10 106.00 109.90 113.80 117.60	105.40 109.70 113.60 116.50 119.30	103.70 107.60 111.50 115.40 119.20	107.00 111.30 115.20 119.00 123.90	1.20 1.20 1.20 1.20 1.20	74.00 76.60 79.20 81.80 84.40	77.10 80.00 82.60 85.20 87.80	75.50 78.10 80.70 83.30 85.90	78.60 81.50 84.10 86.70 89.30	.60 .60 .60 .60
68 70 72 74 76	33.434 34.388 35.343	32.55 33.51 34.46	33.345 934.301 35.256 836.212 37.167	514 514	121.50 125.40 129.30 133.20 137.10	125.30 129.50 133.40 137.30 141.20	123.10 127.00 130.90 134.80 138.70	127.00 131.10 135.00 138.90 142.80	1.20 1.20 1.20 1.20 1.40	87.00 89.60 92.20 94.80 97.40	90.40 93.40 96.00 98.60 101.20	88.50 91.10 93.70 96.30 98.90	91.90 94.90 97.50 100.10 102.70	.60 .60 .60 .70
78 80 82 84 86	38.207 39.162 40.116	37.33 38.28 39.24	7 38 123 2 39 078 7 40 034 1 40 989 5 41 943	5½ 6	140.90 145.80 153.50 158.50 163.50	145.00 149.90 160.00 165.00 170.00	142.50 147.40 155.70 160.70 165.70	146.60 151.50 162.20 167.20 172.20	1.40 1.40 1.40 1.40 1.40	100.00 102.60 105.20 107.80 110.40	103.80 106.40 109.00 114.30 116.90	101.50 104.10 106.70 110.00 112.60	105.30 107.90 110.50 116.50 119.10	.70 .70 .70 .70
88 90	42.026 42.981	41.15	42.899 543.854	6	168.50 173.50	175.00	170.70	177.20		113.00	119.50	115.20	121.70	.70

DOUBLE WIDTH SPROCKETS (MADE-TO-ORDER)

Technology Inches	With Key Seat and Set Screw Length
8 4.573 3.573 5.275 4½ \$13.00 \$14.10 \$15.20 \$0.40 \$16.70 \$17.80 \$17.80 \$19.50 \$0.40 \$16.70 \$17.80 \$1	\$18.90 \$ 0.50
11 6.212 5.212 7.011 4% 17.10 18.50 18.50 19.90 .60 22.50 23.90 23.90 2	20.70 .60 22.50 .70 25.30 .80 28.10 1.00
14 7.864 6.864 8.719 4% 24.00 25.40 25.40 26.80 90 31.10 32.50 32.50 15 8.417 7.417 9.284 4% 26.40 28.10 28.10 29.80 1.00 34.20 35.90 35.90 6.8.970 7.970 9.847 4% 28.80 30.50 30.50 30.20 1.01 37.50 39.20 39.20 39.20	31.00 1.10 33.90 1.20 37.60 1.30 40.90 1.40 44.30 1.60

			TYPE	•	TEEL A				PRICES	CAST IR	ON SPRO	YETS
18 19 20	10.078 9.078 10.974 10.632 9.632 11.538 11.187 10.187 12.100	5 5 5 5	For pri block,	use price tional h	"C" Stee in above ub length	table plu charges.	ts in this us addi-	\$31.20 32.85 34.50	\$33.70 35.35 37.00	\$32.70 34.35 36.00	\$35.20 36.85 38.50	\$ 0.4
21 22	11 .742 10 .742 12 .661 12 .297 11 .297 13 .221	5 5	643.80	\$45.50	S45.50	S47.20	\$0.80	36.15 37.80	38.65 40.30	37.65 39.30	40.15	1.4
23 24	12 .852 11 .852 13 .781 13 .407 12 .407 14 .343	5	46.30 48.80	48.00 50.50	48.00 50.40	49.70 53.10	.80	39.45 41.10	41.95 43.60	40.95 42.60	43.45 45.10	1
25 26	13.963 12.963 14.903 14.518 13.518 15.463	5	51.30 53.80	53.50 56.50	52.90 55.40	55.60 58.10	.80	42.75 44.40	45.25 46.90	44.25 45.90	46.75 48.40	13
27 28	15.074 14.074 16.023 15.630 14.630 16.581	5	56.30 58.80	59.10 61.70	57.90 60.40	60.70	.80	46.05	48.55 50.20	47.55	50.05 51.70	1 3
30 32	16.742 15.742 17.700 17.854 16.854 18.818	5	63.80 68.80	66.90 71.90	65.40 70.40	68.50 73.50	.80	51.00 54.30	53.90 57.20	52.50 55.80 59.10	55.40 58.70	
34 36	18.966 17.966 19.936 20.079 19.079 21.053	5	73.80 78.80	76.90 81.90	75.40 80.40	77.50 82.50	.80	57.60 60.90	60.50 63.80	62.40	62.00 65.30	
38 40 42	21 . 192 20 . 192 22 . 169 22 . 305 21 . 305 23 . 286 23 . 418 22 . 418 24 . 402	5 514 514	83.80 88.80 93.80	86.90 92.00 97.20	85.40 90.40 95.40	87.50 92.50 98.70	.80 .80	64.20 67.50 70.80	67.10 70.70 74.00	65.70 69.00 72.30	68.60 72.20 75.50	1
44 46	24.531 23.531 25.519 25.644 24.644 26.663	514	98.80 103.80	102.40 107.30	100.40 105.40	103.90 108.90	1.00	74.10 77.40	77.30 80.60	75.60 78.90	78.80 82.10	
48 50 52	26.757 25.757 27.750 27.871 26.871 28.866 28.984 27.984 29.981	534	108.80 113.80 118.80	112.30 117.30 122.30	110.40 115.40 120.40	113.90 118.90 123.90	1.00 1.00 1.00	80.80 84.20 87.60	84.00 87.80 91.20	82.30 85.70 89.10	85.50 89.30 92.70	1
54 56	30.097 29.097 31.096 31.211 30.211 32.211	51/2 51/2	124.80 128.80	128.50 132.70	125.40 130.40	129.00 134.20	1.00	91.00	94.60	92.50 95.90	96.10 99.50	
58 60 62	32.32431.32433.327 33.43832.43834.442	536	133.80 138.80	137.70 143.10		139.30 144.70		97.80 101.20	101.40 105.20	99.30 102.70 106.10	102.90 106.70 110.10	1
64 66	34 .551 33 .551 35 .557 35 .665 34 .665 36 .671 36 .779 35 .779 37 .788	534	143.70 148.70 153.70	148.00 153.00 158.00	145.30 150.30 155.30	149.60 154.60 159.60	1.20	104.60 108.00 111.60	108.60 112.00 115.60	109.50 113.10	113.50 117.10	1 3
68 70	37.892 36.892 38.903 39.006 38.006 40.017	5¾ 5¾	158.70 163.70	163.00 171.10		164.60 173.30	1.20	115.20 118.80	119.20 125.50	116.70 121.00	120.70 127.70	13
72 74 76	40. 120 39. 120 41. 132 41. 233 40. 233 42. 247 42. 347 41. 347 43. 362	634	168.70 173.70 178.70	176.00 181.20 186.40	175.90	178.20 183.40 188.60	1.20	122.40 126.00 129.60	129.10 132.70 136.70	124.60 128.20 131.80	131.30 134.90 138.90	1
78 80	43.461 42.461 44.476 44.575 43.575 45.591	614	183.70 188.70	191.40 196.40	185.90 190.90	193.60 198.60	1.40	133.30 137.00	140.40 144.10	135.50 139.20	142.60 146.30	1 3
82 84 86	45.689 44.689 46.706 46.802 45.802 47.821 47.915 46.915 48.934	634	196.50 201.50 206.50	204.50 209.50 214.50	203.90	206.90 211.90 216.90	1.40	140.80 144.60 148.50	148.40 152.20 156.10	143.00 146.80 150.70	150.60 154.40 158.30	
88 90	49.02948.02950.048 50.14449.14451.163	634	211.50	219.50 224.50	213.90	221.90 226.90	1.40	152.40	160.40 164.30	154.60 158.50	162.60 166.50	1

^{90 |50.144|49.144|51.163 | 632 | |216.50 | |224.50 | |218.90 | |226.90 | | 1.40 | |156.30 | |164.30 | |158.50 | |166.50 |}

Secretics with intermediate numbers of tents are prived proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of tents, see seen.

When ordering Type "C" Sprockets (with set acress) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by takels thus length or Type "C" whence

FORNOS.RC-D140 ANDRC-D160 Silverlink ROLLER CHAINS

TYPE B STEEL FOR NO. RC-D160 ROLLER CHAIN LIST PRICE OF CHAIN Chain-Page 46 \$7.92 Per Foot LIST PRICES AND DIMENSIONS OT HARDENED SPROCKETS LIST PRICES-HARDENED SPROCKETS With Key Seat and Set Screw For Each Extra 1/4" Hub \$21.20 24.00 26.80 30.10 33.40 5.226 5.848 4.101 4.723 5.347 6.028 6.694 7.356 \$16.80 \$16.80 \$18.10 \$ 0.50 \$19.90 22.70 \$21.20 24.00 26.80 \$22.50 25.30 28.10 0.60 \$15.50 17.50 19.60 21.80 18.80 20.90 23.40 18.80 20.90 23.40 20.10 22.20 25.00 27.40 60 .70 .80 .90 25.50 28.50 31.80 10 6.472 30.10 7.099 7.727 5.974 8.012 31.70 35.00 1.00 11 6.602 8.664 8.357 7.232 9.314 7.863 9.964 8.495 10.610 9.127 11.254 9.760 11.900 29.00 32.30 35.90 29.00 32.30 35.90 30.60 33.90 37.80 1.00 1.20 1.40 1.60 37.90 37.90 39.50 13 4¾ 4¾ 4¾ 4¾ 27.40 42.60 47.70 52.40 57.70 44.20 49.60 54.30 60.00 8.988 9.620 10.252 10.885 41.00 45.80 50.50 42.60 47.70 52.40 57.70 1.60 1.80 2.00 2.20 34.00 37.30 40.60 39.20 30 20 41.10 42 90 42.90 45.20 1.80 55.40

PITCH

TYPE B

TYPE C

46.20 TYPE C STEEL AND CAST IRON

48.50 2.00 59.40 61.70 61.70 64.00 2.40

46.20

43.90

11.518 10.393 12.542

	1	1	- 1	- 1			L	ST P	RICE	8-8	TEEL	SPR	OCK	ETS	4	LIS	PRI	CES-	-CAS	T IR	ON SPRO	CKETS
18 20 22 24 26	11 .510 12 .780 14 .050 15 .320 16 .590	5 11 . 66 3 12 . 92 3 14 . 19	50 13 28 15 98 16	.828 .110 .392	5¾ 5¾ 5¾ 5¾ 5¾	71	.00 .30 .50 .80	\$55 65 74 84	90 20 60 10	\$54 63 73 82	.90	\$57 66 76 85	.80	\$ 0.80 .80 .80 .80	51 56	.30 .60 .90 .20	53	00 30 60 90 70	\$44 49 53 57 62	10 40 70	\$47.50 51.80 56.10 60.40 65.20	\$ 0.40 .40 .40 .40 .40
28 30 32 34 36	17.863 19.13 20.403 21.67 22.94	5 19 .28 6 20 .58	09 20 80 21 51 22	.228 .506 .784	5% 5% 5% 5% 5%	90 99 108 117 127	.80	93 102 112 121 130	.00	91 100 110 119 128	.90 .10 .40	94 104 113 123 132	20 60 10	1.00 1.00 1.00 1.00 1.20	70 76 81	.00 .50 .00 .50	73 79 84	10 60 10 90 40	66 72 77 83 88	00 50 00	69.60 75.10 80.60 86.40 91.90	.50 .50 .50 .50
38 40 42 44 46	24 .21: 25 .49 26 .76: 28 .03: 29 .30	1 24 .36 3 25 .63 5 26 .93	66 26 38 27 10 29	.612 .888 .164	6 6 6	136 145 154 164 173	.50 .80 .00	140 149 158 168 177	.60 .90 .10	137 147 156 165 174	.10 .40 .60	141 151 160 169 179	.50 .70	1.20 1.20 1.20 1.20 1.40	92 98 103 109 114	.00	95 101 107 112 118	30 80	94 99 105 110 116	50 00 50	97.40 103.30 108.80 114.30 119.80	.60 .60 .60
48 50 52 54 56	30.58 31.85 33.12 34.39 35.66	2 30 . 72 4 31 . 95 7 33 . 21	27 32 99 34 72 35	.990 .264 .538	61/2 61/2 61/2 61/2	182 191 201 210 219	.80 .00 .30	187 196 205 215 224	.30 .50 .30	184 193 203 211 221	.40 .60 .90	188 197 207 216 226	.90 .10 .90	1.40 1.40 1.40 1.60 1.60	120 125 131 137 143	.50 .00 .30	124 129 135 141 148	70 20 90	121 127 132 138 145	.00 .50 .80	125.70 131.20 136.70 143.40 149.70	.60 .60 .60 .70
58 60 62 64 66	36.94 38.21 39.48 40.76 42.03	5 37 .05 7 38 .36 0 39 .63	90 39 62 40 35 41	.362 .636 .910	61/4 61/4 61/4 61/4	228 238 247 256 265	.00 .30	233 243 254 264 274	.00 .90 .70	230 239 249 258 268	.60 .70 .90	235 244 257 267 276	.60 .30 .10	1.60 1.60 1.60 1.80 1.80	149 156 162 168 175	.20 .50 .80	154 160 170 176 182	80 10 40	151 157 164 171 177	70 70 00	156.00 162.30 172.30 178.60 185.00	.70 .70 .70 .80
68 70 72 74 76	43.30 44.57 45.85 47.12 48.39	8 43 45 1 44 7 4 45 9	53 45 26 47 99 48	.734 .008 .282	614 612 7 7	275 284 293 302 312	.30 .50 .80	283 293 302 312 321	.10 .50 .00	277 286 295 305 314	70 90 20	286 295 304 314 323	.50 .90 .40	1.80 1.80 1.80 1.80 1.80	181 188 196 204 213	.00 .40 .80	189 196 205 213 222	10 10 50	183 190 198 207 215	.20 .60 .00	191.90 198.30 207.30 215.70 224.60	.80 .90 .90
78 80 81	49.67 50.94 51.57	0 48.5	45 50 18 52	.830	7	321 330 335	.30	330 340 345	.90	323 332 337	.70	333 342 347	.30	1.80 2.00 2.00	221 230 234	.60	230 239 243	.80 .20	223 232 236	.80	233.00 241.40 245.60	.90 .90

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 57.

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

3/8" PITCH

LIST PRICE OF CHAIN \$1.65 Per Foot

TYPE B STEEL

Chain—Page 46
Stock Sprockets—Page 64

i		

						LIST	PRICES AF	ND DIMEN	SIONS			Sproc			
				Stand. Hub	LIST PE	ICES-NO				LIST	PRICES-HARDENED SPROCKETS				
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	
8 9 10 11 12	.980 1.096 1.214 1.331 1.449	.780 .896 1.014 1.131 1.249	1.379	13/4 13/4 13/4 13/4 13/4 13/4	\$ 4.70 4.70 4.70 4.80 4.80	\$ 5.50 5.50 5.50 5.60 5.60	\$ 5.50 5.50 5.50 5.60 5.60	\$ 6.30 6.30 6.30 6.40 6.40	\$ 0.10 .10 .10 .10 .10	\$ 6.80 6.80 6.80 6.90 6.90	\$ 7.60 7.60 7.60 7.70 7.70	\$ 7.60 7.60 7.60 7.70 7.70	\$ 8.40 8.40 8.40 8.50 8.50	\$ 0.15 .15 .15 .15 .15	
13 14 15 16 17	1.567 1.685 1.804 1.922 2.041	1.367 1.485 1.604 1.722 1.841	1.989	134 134 134 134 134	4.90 4.90 5.00 5.05 5.10	5.70 5.70 5.80 5.85 5.90	5.70 5.70 5.80 5.85 5.90	6.50 6.50 6.60 6.65 6.70	.10 .10 .10 .10 .10	7.00 7.00 7.10 7.15 7.20	7.80 7.80 7.90 7.95 8.00	7.80 7.80 7.90 7.95 8.00	8.60 8.60 8.70 8.75 8.80	.15 .15 .15 .20	
18 19 20 22 24	2.159 2.278 2.397 2.635 2.873	1.959 2.078 2.197 2.435 2.673	2.472 2.593 2.833	1% 1% 1% 1% 1%	5.20 5.30 5.40 5.60 5.80	6.00 6.10 6.20 6.40 6.60	6.00 6.10 6.20 6.40 6.60	6.80 6.90 7.00 7.20 7.40	.10 .10 .10 .10 .10	7.30 7.40 7.50 7.70 7.90	8.10 8.20 8.30 8.50 8.70	8.10 8.20 8.30 8.50 8.70	8.90 9.00 9.10 9.30 9.50	.20 .20 .20 .20 .20	
26 28 30 32 34	3.111 3.349 3.588 3.826 4.064	2.911 3.149 3.388 3.626 3.864	3.793 4.032	17/8 17/8 17/8 17/8 17/8	6.00 6.20 6.40 6.60 6.80	6.80 7.00 7.20 7.40 7.60	6.80 7.00 7.20 7.40 7.60	7.60 7.80 8.00 8.20 8.40	.10 .20 .20 .20 .20	8.10 8.30 8.50 8.80 9.10	8.90 9.10 9.30 9.60 9.90	8.90 9.10 9.30 9.60 9.90	9.70 9.90 10.10 10.40 10.70	.20 .30 .30 .30 .30	
36 38 40 42 44	4.303 4.541 4.780 5.018 5.257	4.103 4.341 4.580 4.818 5.057	4.751 4.990 5.229	17/8 17/8 13/8 17/8 17/8	7.00 7.20 7.40 7.70 8.10	7.80 8.00 8.20 8.50 8.90	7.80 8.00 8.20 8.50 8.90	8.60 8.80 9.00 9.30 9.70	.30 .30 .30 .30 .40	9.40 9.70 10.00 10.40 10.90	10.20 10.50 10.80 11.20 11.70	10.20 10.50 10.80 11.20 11.70	11.00 11.30 11.60 12.00 12.50	.40 .40 .40 .40	
46 48 50 52 54	5.495 5.734 5.972 6.211 6.449	5.295 5.534 5.772 6.011 6.249	5.946 6.186 6.425	17/8 2 2 2 2 2	8.40 8.80 9.20 9.50 9.90	9.20 9.60 10.00 10.30 10.70	9.20 9.60 10.00 10.30 10.70	10.00 10.40 10.80 11.10 11.50	.40 .50 .50 .50 .60	11.30 11.80 12.30 12.70 13.20	12.10 12.60 13.10 13.50 14.00	12.10 12.60 13.10 13.50 14.00	12.90 13.40 13.90 14.30 14.80	.50 .60 .60 .60	
56 58 60 62 64	6.688 6.927 7.165 7.404 7.642	6.488 6.727 6.965 7.204 7.442	7.142 7.381 7.619	2 2 2 2 2	10.20 10.60 11.00 11.40 11.90	11.00 11.40 11.80 12.20 12.70	11.00 11.40 11.80 12.20 12.70	11.80 12.20 12.60 13.00 13.50	.60 .60 .60 .70	13.60 14.10 14.60 15.10 15.70	14.40 14.90 15.40 15.90 16.50	14.40 14.90 15.40 15.90 16.50	15.20 15.70 16.20 16.70 17.30	.60 .70 .70 .85	
66 68 70 72 74	7.881 8.120 8.358 8.597 8.836	7.681 7.920 8.158 8.397 8.636	8.336 8.575 8.814	2 2 2 2 2	12.40 12.90 13.40 13.90 14.40	13.20 13.70 14.20 14.80 15.30	13.20 13.70 14.20 14.80 15.30	14.00 14.50 15.00 15.70 16.20	.80 .80 .90 1.00 1.10	16.30 16.90 17.50 18.10 18.70	17 10 17.70 18.30 19.00 19.60	17.10 17.70 18.30 19.00 19.60	17.90 18.50 19.10 19.90 20.50	.95 .95 1.15 1.15 1.25	
76 78 80 82 84	9.074 9.313 9.552 9.790 10.029	9.590	9.291 9.531 9.770 10.008 10.247	2 2 2 2 2	14.90 15.40 15.90 16.40 16.90	15.80 16.30 16.80 17.30 17.80	15.80 16.30 16.80 17.30 17.80	16.70 17.20 17.70 18.20 18.70	1.10 1.20 1.20 1.30 1.30	19.30 19.90 20.50 21.10 21.70	20.20 20.80 21.40 22.00 22.60	20.20 20.80 21.40 22.00 22.60	21.10 21.70 22.30 22.90 23.50	1.25 1.35 1.35 1.45 1.45	
86 88 90 92 94	10.506 10.745 10.984	10.306 10.545	10.486 10.725 10.964 11.203 11.441	2 2 2 2 2	17.40 17.90 18.40 19.00 19.60	18.30 18.80 19.30 20.10 20.70	18.30 18.80 19.30 20.10 20.70	19.20 19.70 20.20 21.20 21.80	1.40 1.50 1.50 1.60 1.70	22.30 22.90 23.50 24.20 24.90	23.20 23.80 24.40 25.30 26.00	23.20 23.80 24.40 25.30 26.00	24.10 24.70 25.30 26.40 27.10	1.55 1.65 1.65 1.75 1.85	
	11.700 11.938 12.177	11.500 11.738 11.977		2 2 2 2	20.20 20.80 21.40 22.00	21.30 21.90 22.50 23.10	21.30 21.90 22.50 23.10	22.40 23.00 23.60 24.20	1.70 1.80 1.90 2.00	25.60 26.50 27.50 28.50	26.70 27.60 28.60 29.60	26.70 27.60 28.60 29.60	27.80 28.70 29.70 30.70	1.85 1.95 2.05 2.15	

sproaces with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sproacles with intermediate numbers of teeth, see page 33. When ordering Type "C" Sproackets (with set acrewa) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NO. RC-E35 Silverlink ROLLER CHAIN

LIST PI	RICE OF		N		TYPE	•	STEEL PRICES A			IRON	Stock		—Page · kets—P	46 age 64
-		T		Stand.	LIST		S-STERL			LIST	PRICES-	CAST IR	ON SPROC	KETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Hub Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length
48 49 50 51 52	5.734 5.853 5.972 6.091 6.211	5.653 5.772 5.891	6.066 6.186 6.305	214 214 214 214 214						\$ 8.50 8.60 8.70 8.75 8.80	\$ 9.40 9.50 9.60 9.65 9.70	\$ 9.40 9.50 9.60 9.65 9.70	\$10.30 10.40 10.50 10.55 10.60	\$ 0.15 .15 .15 .15 .15
53 54 55 56 57	6.330 6.449 6.569 6.688 6.807	6.249 6.369 6.488	6.664 6.783 6.903	21/4 21/4 21/4 21/4 21/4						8.85 8.90 8.95 9.00 9.05	9.75 9.80 9.85 9.90 9.95	9.75 9.80 9.85 9.90 9.95	10.65 10.70 10.75 10.80 10.85	.15 .15 .15 .15
58 60 62 64 66	6,927 7.165 7.404 7.642 7.881	6.965 7.204 7.442	7.381 7.619 7.858	21/4 21/4 21/4 21/4 21/4						9.10 9.20 9.30 9.50 9.70	10.00 10.10 10.40 10.60 10.80	10.00 10.10 10.40 10.60 10.80	10.90 11.00 11.50 11.70 11.90	.15 .15 .15 .15
68 70 72 74 76	8.120 8.358 8.597 8.836 9.074	8.158 8.397 8.636	8.575 8.814 9.053	214 214 214 214 214	block, us	prices	"C" Stee on oppos ub lengti	ite page 1	olus addi-	9.90 10.10 10.20 10.40 10.60	11.00 11.20 11.30 11.50 11.70	11.00 11.20 11.30 11.50 11.70	12.10 12.30 12.40 12.60 12.80	.15 .15 .15 .15
78 80 82 84 86	9.790	9.352 9.590 9.829	9.531 9.770 10.008 10.247 10.486	21/4 21/4 21/2 21/2 21/2						10.70 10.90 11.10 11.20 11.40	11.80 12.00 12.20 12.30 12.50	11.80 12.00 12.20 12.30 12.50	12.90 13.10 13.30 13.40 13.60	.15 .15 .15 .15
88 90 92 94 96	10.745 10.984 11.222	10.545 10.784 11.022	10.725 10.964 11.203 11.441 11.680	21/2 21/2 21/2 21/2 21/2						11.50 11.70 11.90 12.10 12.30	12.60 12.80 13.00 13.20 13.40	12.60 12.80 13.00 13.20 13.40	13.70 13.90 14.10 14.30 14.50	.15 .15 .15 .15
98 100 102 104 106	11.938 12.177 12.416	11.738 11.977 12.216	11.919 12.158 12.397 12.635 12.874	21/2 21/2 21/2 21/2 21/2 21/2	\$25.00 25.50	CAST S 26.20 26.70	\$26.20 26.70	\$27.40 27.90	\$ 0.40	12.50 12.70 12.90 13.10 13.40	13.60 13.80 14.10 14.30 14.60	13.60 13.80 14.10 14.30 14.60	14.70 14.90 15.30 15.50 15.80	.15 .15 .15 .15
108 110 112 114 116	13.132 13.371 13.609	12.932 13.171 13.409	13.113 13.352 13.590 13.829 14.068	21/2 21/2 21/2 21/2 21/2	26.00 26.50 27.00 27.50 28.00	27.20 27.70 28.20 28.70 29.20	27.20 27.70 28.20 28.70 29.20	28.40 28.90 29.40 29.90 30.40	.40 .40 .40 .40	13.60 13.80 14.10 14.30 14.50	14.80 15.00 15.30 15.50 15.70	14.80 15.00 15.30 15.50 15.70	16.00 16.20 16.50 16.70 16.90	.15 .15 .15 .15
118 120	14.087	13.887	14.307	216	28.50 29.00	29.70 30.20	29.70 30.20	30.90	.40 40	14.80 15.00	16.00 16.20	16.00 16.20	17.20 17.40	.15

PITCH LIST PRICE OF CHAIN \$2.30 Per Foot

TYPE B STEEL

Chain—Page 46 Stock Sprockets—Page 64

				Stand.	LIST PE	ICES-NO	T HARD	ENED SPE	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
lumber of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length
8 9 10 11 12	1.307 1.462 1.618 1.775 1.932	.995 1.150 1.306 1.463 1.620	1.674 1.839 2.003	21/8 21/8 21/8 21/8 21/8 21/8	\$ 5.20 5.20 5.30 5.30 5.40	\$ 6.00 6.00 6.10 6.10 6.20	\$ 6.00 6.00 6.10 6.10 6.20	\$ 6.80 6.80 6.90 6.90 7.00	\$ 0.10 .10 .10 .10	\$ 7.50 7.50 7.60 7.60 7.70	\$ 8.30 8.30 8.40 8.40 8.50	\$ 8.30 8.30 8.40 8.40 8.50	\$ 9.10 9.10 9.20 9.20 9.30	\$ 0.15 .15 .15 .15 .15
13 14 15 16 17	2.089 2.247 2.405 2.563 2.721	1.777 1.935 2.093 2.251 2.409	2.491 2.653 2.814	21/8 21/8 21/8 21/8 21/8	5.40 5.50 5.60 5.70 5.80	6.20 6.30 6.40 6.50 6.60	6.20 6.30 6.40 6.50 6.60	7.00 7.10 7.20 7.30 7.40	.10 .10 .10 .10	7.70 7.80 7.90 8.00 8.10	8.50 8.60 8.70 8.80 8.90	8.50 8.60 8.70 8.80 8.90	9.30 9.40 9.50 9.60 9.70	.20 .20 .20 .20 .20
18 19 20 21 22	2.879 3.038 3.196 3.355 3.513	2.884	3.297 3.457 3.618	21/8 21/8 21/4 21/4 21/4	6.00 6.20 6.30 6.40 6.50	6.80 7.00 7.10 7.20 7.30	6.80 7.00 7.10 7.20 7.30	7.60 7.80 7.90 8.00 8.10	.10 .10 .10 .10	8.30 8.50 8.60 8.75 8.90	9.10 9.30 9.40 9.55 9.70	9.10 9.30 9.40 9.55 9.70	9.90 10.10 10.20 10.35 10.50	.25 .25 .25 .25 .25
24 26 28 30 32	4.148 4.466 4.783	3.519 3.836 4.154 4.471 4.789	4.418 4.738 5.057	214 214 214 214 214	6.80 7.20 7.50 7.80 8.30	7.60 8.10 8.40 8.70 9.20	7.60 8.10 8.40 8.70 9.20	8.40 9.00 9.30 9.60 10.10	.20 .20 .30 .30 .40	9.40 10.00 10.50 11.00 11.70	10.20 10.90 11.40 11.90 12.60	10.20 10.90 11.40 11.90 12.60	11.00 11.80 12.30 12.80 13.50	.35 .35 .45 .45
34 36 38 40 42	5.737 6.055	5.107 5.425 5.743 6.061 6.379	6.015 6.334 6.653	21/4 21/4 21/4 21/4 21/4	8.80 9.30 9.80 10.40 11.10	9.70 10.20 10.70 11.30 12.00	9.70 10.20 10.70 11.30 12.00	10.60 11.10 11.60 12.20 12.90	.40 .50 .50 .60	12.40 13.10 13.80 14.60 15.50	13.30 14.00 14.70 15.50 16.40	13.30 14.00 14.70 15.50 16.40	14.20 14.90 15.60 16.40 17.30	.55 .65 .65 .65
44 46 48 50 52	7.009 7.327 7.645 7.963 8.281	7.015	7.609 7.927 8.247	21/4 21/4 23/4 23/4 23/4 23/4	11.80 12.50 13.20 13.90 14.60	12.70 13.60 14.30 15.00 15.70	12.70 13.60 14.30 15.00 15.70	13.60 14.70 15.40 16.10 16.80	.60 .70 .70 .80	16.40 17.30 18.20 19.10 20.00	17.30 18.40 19.30 20.20 21.10	17.30 18.40 19.30 20.20 21.10	18.20 19.50 20.40 21.30 22.20	.75 .85 .85 .95 1.10
54 56 58 60 62	8.599 8.917 9.236 9.554 9.872	8.605 8.924 9.243	9.203	23%	15.30 16.00 16.70 17.50 18.30	16.40 17.10 17.80 18.60 19.40	16.40 17.10 17.80 18.60 19.40	17.50 18.20 18.90 19.70 20.50	1.00 1.10 1.20 1.20 1.30	20.90 21.80 22.70 23.70 24.70	22.90 22.90 23.80 24.80 25.80	22.00 22.90 23.80 24.80 25.80	23.10 24.00 24.90 25.90 26.90	1.20 1.30 1.40 1.40 1.50
64 66 68 70 72	10.508 10.826 11.145	10.196 10.51- 10.83	8 10 478 5 10 796 11 115 3 11 434 11 752	23%	19.10 19.90 20.70 21.50 22.30	20.20 21.00 21.80 22.60 23.40	20.20 21.00 21.80 22.60 23.40	21.30 22.10 22.90 23.70 24.50	1.40 1.50 1.60 1.70 1.80	25.70 26.70 27.70 28.80 29.90	26.80 27.80 28.80 29.90 31.00	26.80 27.80 28.80 29.90 31.00	27.90 28.90 29.90 31.00 32.10	1.60 1.70 1.80 1.90 2.00
74 76			12.071 7 12.389	23/4 23/4	23.10 24.00	24.20 25.10	24.20 25.10	25.30 26.20	1.90	31.00 32.20	32.10 33.30	32.10 33.30	33.20 34.40	2.10

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sprockets with intermediate numbers of teeth, see page 53.

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B", it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NO. RC-E40 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$2,30 Per Foot TYPE C STEEL AND CAST IRON

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PITCH

						LIST	PRICES A	ND DIMEN	ISIONS					
				Stand.	LI	ST PRICE	S-STEEL	SPROCK	втѕ	LIST	PRICES	CAST IR	ON SPROC	
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Scat and Set Screw	For Each Extra %" Hub Length
30 32 34 36 38	4.783 5.101 5.419 5.737 6.055		6 015	21/2 21/2 21/2 21/2 21/2 21/2						\$ 8.70 8.80 8.90 9.00 9.20	\$ 9.60 9.70 9.80 9.90 10.10	\$ 9.60 9.70 9.80 9.90 10.10	\$10.50 10.60 10.70 10.80 11.00	\$ 0.20 .20 .20 .20 .20
40 42 44 46 48	6.373 6.691 7.009 7.327 7.645	6.061 6.379 6.697 7.015 7.333	6.653 6.972 7.291 7.609 7.927	21/2 21/2 21/2 21/2 21/2						9.40 9.60 10.00 10.40 10.80	10.30 10.50 10.90 11.60 12.00	10.30 10.50 10.90 11.60 12.00	11.20 11.40 11.80 12.80 13.20	.20 .20 .20 .20 .20
50 52 54 56 58	7.963 8.281 8.599 8.917 9.236	7.651 7.969 8.287 8.605 8.924	8.247 8.566 8.885 9.203 9.522	21/2 21/2 21/2 21/2 21/2	For pric	se prices	on opposi	l Sprocke te page p charges.	dus addi-	11.10 11.40 11.70 12.00 12.30	12.30 12.60 12.90 13.20 13.50	12.30 12.60 12.90 13.20 13.50	13.50 13.80 14.10 14.40 14.70	.20 .20 .20 .20 .20
60 62 64 66 68	9.554 9.872 10.190 10.508 10.826	9.560 9.878 10.196	9.841 10.159 10.478 10.796 11.115	21/2 23/4 23/4 23/4 23/4						12.60 12.90 13.20 13.50 13.80	13.80 14.10 14.40 14.70 15.00	13.80 14.10 14.40 14.70 15.00	15.00 15.30 15.60 15.90 16.20	.20 .20 .20 .20 .20
70 72 74 76 78	11.145 11.463 11.781 12.099 12.417	11.151 11.469 11.787	11.752 12.071	2% 2% 2% 2% 2% 2%	\$27.00	CAST S'	TERL SPI \$28.20	829.60	\$ 0.40	14.10 14.40 14.70 15.00 15.40	15.30 15.60 15.90 16.20 16.60	15.30 15.60 15.90 16.20 16.60	16.50 16.80 17.10 17.40 17.80	.20 .25 .25 .25 .25
80 82 84 86 88	13.054	12.742 13.060 13.378	13.663 13.982	2¾ 3 3 3 3	27.50 28.50 29.20 29.90 30.60	28.90 29.90 30.60 31.30 32.00	28.70 29.70 30.40 31.10 31.80	30.10 31.10 31.80 32.50 33.20	.40 .40 .40 .40 .40	15.80 16.20 16.60 17.00 17.40	17.00 17.40 17.80 18.20 18.60	17.00 17.40 17.80 18.20 18.60	18.20 18.60 19.00 19.40 19.80	.25 .25 .25 .25 .25
90 92 94 96 98	14.645 14.963 15.281	14.333 14.651 14.969	14.618 14.937 15.255 15.573 15.892	3 3 3 3 3	31.30 32.00 32.70 33.40 34.20	32.70 33.60 34.30 35.00 35.80	32.50 33.50 34.20 34.90 35.70	33.90 35.10 35.80 36.50 37.30	.40 .40 .40 .40 .40	17.80 18.20 18.60 19.00 19.40	19.00 19.70 20.10 20.50 20.90	19.00 19.70 20.10 20.50 20.90	20.20 21.20 21.60 22.00 22.40	.25 .25 .25 .25 .25
100 102 104 106 108	16.236 16.555 16.873	15.924 16.243 16.561	16.210 16.529 16.847 17.166 17.483	3 3 3 3	35.90 36.00 37.00 38.00 39.00	36.60 37.60 38.60 39.60 40.60	36.50 37.50 38.50 39.50 40.50	38.10 39.10 40.10 41.10 42.10	.40 .40 .40 .40 .40	19.80 20.20 20.60 21.00 21.40	21.30 21.70 22.10 22.50 22.90	21.30 21.70 22.10 22.50 22.90	22.80 23.20 23.60 24.00 24.40	.25 .25 .25 .25 .25
110 112 114 116 117	17.828 18.146 18.464	17.516	18.439 18.757	3 3 3 3	40.00 41.30 42.60 43.90 45.20	41.60 42.90 44.20 45.50 46.80	41.50 42.80 44.10 45.40 46.70	43.10 44.40 45.70 47.00 48.30	.40 .40 .40 .40	21.80 22.20 22.60 23.00 23.20	23.30 23.70 24.10 24.50 24.70	23.30 23.70 24.10 24.50 24.70	24.80 25.20 25.60 26.00 26.20	.25 .25 .25 .25 .25
118 120			19.076 19.394	3	46.50 48.00	48.10 49.60	48.00 49.50	49.60 51.10	.40 .40	26.20 26.80	27.70 28.30	27.70 28.30	29.20 29.80	.25

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sprockets with intermediate numbers of teeth, see page 53.

TRIPLE WIDTH SPROCKETS (MADE-TO-ORDER)

5/8" PITCH

LIST PRICE OF CHAIN \$2.64 Per Foot TYPE B STEEL

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LIST PRICES AND DIMENSIONS

						LIST	PRICES A	4D DIMEN	SIONS					
				Stand. Hub	LIST PE	ICES-N	T HARDI	ENED SPR	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
Tumber of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length
8 9 10 11 12	1.633 1.827 2.023 2.219 2.415	1.427 1.623 1.819	2.092	21/2 21/2 21/2 21/2 21/2 21/2	\$ 5.50 5.50 5.60 5.70 5.80	\$ 6.30 6.40 6.50 6.60	\$ 6.30 6.30 6.40 6.50 6.60	\$ 7.10 7.10 7.20 7.30 7.40	\$ 0.10 .10 .10 .10 .10	\$ 7.80 7.80 7.90 8.10 8.20	\$ 8.60 8.60 8.70 8.90 9.00	\$ 8.60 8.60 8.70 8.90 9.00	\$ 9.40 9.40 9.50 9.70 9.80	\$ 0.15 .15 .15 .15 .20
13 14 15 16 17	2.612 2.809 3.006 3.204 3.401	2.409 2.606 2.804	3.114 3.316 3.517	21/2	5.90 6.00 6.10 6.30 6.50	6.70 6.80 6.90 7.10 7.30	6.70 6.80 6.90 7.10 7.30	7.50 7.60 7.70 7.90 8.10	.10 .10 .10 .10 .10	8.40 8.50 8.70 8.90 9.20	9.20 9.30 9.50 9.70 10.00	9.20 9.30 9.50 9.70 10.00	10.00 10.10 10.30 10.50 10.80	.20 .20 .20 .20 .25
18 19 20 21 22	3.599 3.797 3.995 4.194 4.392	3.397 3.595 3.794	4.121 4.321 4.522	21/2 21/2 21/2 21/2 21/2 25/8	6.70 7.10 7.30 7.60 7.90	7.50 7.90 8.30 8.60 8.90	7.50 7.90 8.30 8.60 8.90	8.30 8.70 9.30 9.60 9.90	.20 .20 .20 .20 .20	9.40 9.90 10.10 10.45 10.80	10.20 10.70 11.10 11.45 11.80	10.20 10.70 11.10 11.45 11.80	11.00 11.50 12.10 12.45 12.80	.25 .25 .35 .35 .35
23 24 25 26 27	4.590 4.788 4.987 5.185 5.384	4.388 4.587 4.785	5.123 5.323 5.523	2% 2% 2% 2% 2%	8.15 8.40 8.70 9.00 9.30	9.15 9.40 9.70 10.00 10.30	9.15 9.40 9.70 10.00 10.30	10.15 10.40 10.70 11.00 11.30	.20 .30 .30 .30 .30	11.15 11.50 11.90 12.30 12.70	12.15 12.50 12.90 13.30 13.70	12.15 12.50 12.90 13.30 13.70	13.15 13.50 13.90 14.30 14.70	.35 .45 .45 .45 .45
28 29 30 31 32	5.582 5.781 5.979 6.178 6.376	5.381 5.579 5.778	6.122 6.321 6.521	2% 2% 2% 2% 2%	9.60 9.95 10.30 10.80 11.30	10.60 10.95 11.30 11.80 12.30	10.60 10.95 11.30 11.80 12.30	11.60 11.95 12.30 12.80 13.30	.40 .40 .50 .50	13.10 13.55 14.00 14.65 15.30	14.10 14.55 15.00 15.65 16.30	14.10 14.55 15.00 15.65 16.30	15.10 15.55 16.00 16.65 17.30	.55 .55 .65 .65
33 34 35 36 37	6.575 6.774 6.972 7.171 7.370	6.374 6.572 6.771	7.120	25%	11.80 12.30 12.80 13.30 13.80	12.80 13.30 13.80 14.30 14.80	12.80 13.30 13.80 14.30 14.80	13.80 14.30 14.80 15.30 15.80	.60 .60 .60 .70	15.95 16.60 17.25 17.90 18.55	16.95 17.60 18.25 18.90 19.55	16.95 17.60 18.25 18.90 19.55	17.95 18.60 19.25 19.90 20.55	.65 .75 .75 .85 .85
38 39 40 42 44	7.569 7.767 7.966 8.363 8.761	7.367 7.566 7.963	8.117 8.316 8.715	23/8	14.30 14.80 15.30 16.30 17.30	15.30 15.80 16.30 17.30 18.30	15.30 15.80 16.30 17.30 18.30	16.30 16.80 17.30 18.30 19.30	.80 .80 .90 1.00 1.10	19.20 19.90 20.60 22.00 23.40	20.20 20.90 21.60 23.00 24.40	20.20 20.90 21.60 23.00 24.40	21.20 21.90 22.60 24.00 25.40	.95 .95 1.05 1.20 1.30
46 48 50 52 54	9.159 9.556 9.954 10.351 10.749	9.156 9.554 9.951	9.512 9.911 10.309 10.708 11.106	27/8 27/8 27/8 27/8 27/8	18.50 19.70 20.90 22.10 23.30	19.70 20.90 22.10 23.30 24.50	19.70 20.90 22.10 23.30 24.50	20.90 22.10 23.30 24.50 25.70	1.20 1.30 1.40 1.50 1.60	25.00 26.60 28.30 30.00 31.70	26.20 27.80 29.50 31.20 32.90	26.20 27.80 29.50 31.20 32.90	27.40 29.00 30.70 32.40 34.10	1.40 1.50 1.60 1.70 1.80
56 58 60 61	11.544	11.144	11.504 11.903 12.306 12.500	276	24.50 25.70 26.90 27.50	25.70 26.90 28.10 28.70	25.70 26.90 28.10 28.70	26.90 28.10 29.30 29.90	1.70 1.80 1.90 2.00	33.40 35.10 36.80 37.70	34.60 36.30 38.00 38.90	34.60 36.30 38.00 38.90	35.80 37.50 39.20 40.10	1.90 2.00 2.10 2.20

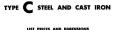
Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

For diameters of Sprockets with intermediate numbers of teeth, see page 54.

FOR NO. RC-E50 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$2.64 Per Foot



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PITCH

						LIST I	PRICES AN	ID DIMEN	SIONS					
		1		Stand. Hub		LIST PRIC	ES-STEE	L SPROC	KETS	LIST	PRICES	CAST IR	ON SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/2 Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length
26 28 30 32 34	5.185 5.582 5.979 6.376 6.774	5.182 5.579 5.976	5.922 6.321 6.721	3 3 3 3						\$ 9.80 10.20 10.70 11.20 11.60	\$10.70 11.10 11.60 12.10 12.50	\$10.70 11.10 11.60 12.10 12.50	\$11.60 12.00 12.50 13.00 13.40	\$ 0.20 .20 .20 .20 .20 .20
36 38 40 42 44	7.171 7.569 7.966 8.363 8.761	7.566	8.316	3 3	For pric	ing Type ise prices tional h	"C" Stee	te page r	dus addi-	12.10 12.50 13.00 13.50 13.90	13.40 13.40 13.90 14.80 15.20	13.40 13.40 13.90 14.80 15.20	13.90 14.30 14.80 16.10 16.50	.20 .20 .20 .20 .20
46 48 50 52 54	9.159 9.556 9.954 10.351 10.749	9.156 9.554 9.951	9.512 9.911 10.309 10.708 11.106	3 314 314						14.40 14.90 15.30 15.80 16.30	15.70 16.20 16.60 17.10 17.60	15.70 16.20 16.60 17.10 17.60	17.00 17.50 17.90 18.40 18.90	.20 .20 .20 .20 .20
56 58 60 62 64	11.544 11.942 12.340	11.144 11.542	11.504 11.903 12.306 12.699 13.097	31/4 31/4 31/6	\$31.00 31.90	CAST S \$32.60 33.50	\$32.40 33.30	\$34.00 34.90	\$ 0.40	16.80 17.30 17.80 18.30 18.80	18.10 18.60 19.10 19.60 20.10	18.10 18.60 19.10 19.60 20.10	19.40 19.90 20.40 20.90 21.40	.20 .20 .20 .25 .25
66 68 70 72 74	13.533 13.931 14.329	13.13 13.53 13.92	13.496 13.894 14.292 14.690 15.088	31/2 31/2 31/2	32.80 33.70 34.60 35.50 36.40	34.40 35.30 36.20 37.10 38.00	34.20 35.10 36.00 36.90 37.80	35.80 36.70 37.60 38.50 39.40	.40 .40 .40 .40	19.40 20.00 20.60 21.20 21.80	20.70 21.30 21.90 22.50 23.10	20.70 21.30 21.90 22.50 23.10	22.00 22.60 23.20 23.80 24.40	.25 .25 .25 .25 .25
76 78 80 82 84	15.52 15.92 16.31	15.12 15.52 15.91	15.486 2 15.884 0 16.283 7 16.681 5 17.075	316 316 334	37.30 38.20 39.10 40.50 41.60	38.90 39.80 40.70 42.30 43.40	38.70 39.60 40.50 42.10 43.20	40.30 41.20 42.10 43.90 45.00	.40 .40 .40 .50	22.40 22.90 23.40 24.00 24.60	23.70 24.20 24.70 25.60 26.20	23.70 24.20 24.70 25.60 26.20	25.00 25.50 26.00 27.20 27.80	.25 .25 .25 .25 .25 .25
86 88 90 92 93	17.51 17.90 18.30	17.11 17.50 17.50	3 17 476 1 17 874 9 18 273 6 18 671 5 18 869	3 3 % 3 3 %	42.70 43.80 44.90 46.00 47.10	44.50 45.60 46.70 47.80 48.90	44.30 45.40 46.50 47.60 48.70	46.10 47.20 48.30 49.40 50.50	.50 .50 .50 .50	25.20 25.80 26.40 27.00 27.30	26.80 27.40 28.00 28.60 28.90	26.80 27.40 28.00 28.60 28.90	28.40 29.00 29.60 30.20 30.50	.25 .25 .25 .30 .30
94 96 98 100 102	19.10 19.50 19.89	2 18.70 0 19.10 8 19.49	4 19.069 2 19.466 0 19.86 8 20.263 5 20.663	6 3% 4 3% 3 3%	48.20 49.40 50.60 51.80 53.00	50.00 51.20 52.40 53.60 54.80	49.80 51.00 52.20 53.40 54.60	51.60 52.80 54.00 55.20 56.40	.50 .50 .50 .50	30.30 30.90 31.60 32.40 33.20	31.90 32.50 33.20 34.00 34.80	31.90 32.50 33.20 34.00 34.80	33.50 34.10 34.80 35.60 36.40	.30 .30 .30 .30 .30
104 106 108 110 112	21.48 21.48	1 20 .69 9 21 .08 7 21 .48	3 21 .056 1 21 .457 9 21 .856 7 22 .255 5 22 .65	7 334 5 334 3 334	54.20 55.40 56.60 57.80 59.00	56.20 57.40 58.60 59.80 61.00	55.80 57.00 58.20 59.40 60.60	57.80 59.00 60.20 61.40 62.60	.50 .50 .50 .50	33.90 34.60 35.30 36.10 36.90	35.50 36.20 36.90 37.70 38.50	35.50 36.20 36.90 37.70 38.50	37.10 37.80 38.50 39.30 40.10	.30 .30 .30 .30 .30
114 116 118 120	23.08	0 22.68	3 23 .049 0 23 .44 8 23 .84 6 24 .24	7 3%	60.20 61.40 62.60 64.00	62.20 63.40 64.60 66.00	61.80 63.00 64.20 65.60	63.80 65.00 66.20 67.60	.50 .50 .50	37.70 38.50 39.30 40.10	39.30 40.10 40.90 41.70	39.30 40.10 40.90 41.70	40.90 41.70 42.50 43.30	.30 .30 .30 .30

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 54.

TRIPLE WIDTH SPROCKETS (MADE-TO-ORDER)

3/4"

LIST PRICE OF CHAIN \$3.30 Per Foot TYPE B STEEL

Chain—Page 46 Stock Sprockets—Page 65

LIST DRICES AND

		_		Stand. Hub	LIST P		OT HARDI	ENED SPR	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/4" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length
8 9 10 11 12	1.960 2.193 2.427 2.662 2.898	1.724 1.958 2.193	2.261 2.510 2.759 3.005 3.249	3 3 3 3	\$ 5.50 5.60 5.80 6.00 6.20	\$ 6.40 6.50 6.70 6.90 7.10	\$ 6.40 6.50 6.70 6.90 7.10	\$ 7.30 7.40 7.60 7.80 8.00	\$ 0.10 .10 .10 .10 .20	\$ 7.90 8.10 8.40 8.70 9.00	\$ 8.80 9.00 9.30 9.60 9.90	\$ 8.80 9.00 9.30 9.60 9.90	\$ 9.70 9.90 10.20 10.50 10.80	\$ 0.20 .20 .20 .20 .20
13 14 15 16 17	3.134 3.371 3.607 3.844 4.082	3.376	3.737 3.979 4.220	3 3 3 3	6.40 6.70 7.00 7.20 7.50	7.30 7.60 7.90 8.10 8.40	7.30 7.60 7.90 8.10 8.40	8.20 8.50 8.80 9.00 9.30	.20 .20 .20 .20 .30	9.30 9.70 10.10 10.40 10.80	10.20 10.60 11.00 11.30 11.70	10.20 10.60 11.00 11.30 11.70	11.10 11.50 11.90 12.20 12.60	.35 .35 .35 .35 .45
18 19 20 21 22	4.319 4.557 4.794 5.032 5.270	3.850 4.088 4.326 4.563 4.801	4.703 4.945 5.186 5.426 5.666	3 3 3 3	7.80 8.10 8.40 8.70 9.10	8.70 9.00 9.30 9.90 10.30	8.70 9.00 9.30 9.90 10.30	9.60 9.90 10.20 11.10 11.50	.30 .30 .40 .40 .40	11.20 11.60 12.00 12.50 13.10	12.10 12.50 12.90 13.70 14.30	12.10 12.50 12.90 13.70 14.30	13.40 13.40 13.80 14.90 15.50	.45 .45 .50 .50
23 24 25 26 27	5.508 5.746 5.984 6.222 6.460	5.039 5.277 5.515 5.753 5.992	5.906 6.147 6.387 6.627 6.867	3 3 3 3	9.60 10.10 10.60 11.10 11.60	10.80 11.30 11.80 12.30 12.80	10.80 11.30 11.80 12.30 12.80	12.20 12.50 13.00 13.50 14.00	.40 .50 .50 .50	13.80 14.50 15.20 15.90 16.60	15.00 15.70 16.40 17.10 17.80	15.00 15.70 16.40 17.10 17.80	16.20 16.90 17.60 18.30 19.00	.50 .60 .60 .60
28 29 30 31 32	6.699 6.937 7.175 7.413 7.652	6.230 6.468 6.706 6.945 7.183	7.106 7.346 7.586 7.826 8.065	3 3 3 31/4 31/4	12.20 12.80 13.40 14.10 14.80	13.40 14.00 14.60 15.30 16.00	13.40 14.00 14.60 15.30 16.00	14.60 15.20 15.80 16.50 17.20	.60 .60 .60 .60	17.40 18.20 19.00 19.90 20.80	18.60 19.40 20.20 21.10 22.00	18.60 19.40 20.20 21.10 22.00	19.80 20.60 21.40 22.30 23.20	.70 .70 .80 .80
33 34 35 36 37	7.890 8.129 8.367 8.605 8.844	7.421 7.660 7.898 8.137 8.375	8.304 8.544 8.783 9.023 9.262	31/4 31/4 31/4 31/4 31/4	15.50 16.20 16.90 17.60 18.30	16.70 17.40 18.10 19.10 19.80	16.70 17.40 18.10 19.10 19.80	17.90 18.60 19.30 20.60 21.30	.70 .80 .80 .90	21.70 22.70 23.70 24.70 25.70	22.90 23.90 24.90 26.20 27.20	22.90 23.90 24.90 26.20 27.20	24.10 25.10 26.10 27.70 28.70	1.00 1.00 1.10 1.10
38 39 40 41 42	9.082 9.321 9.559 9.798 10.036	9.329	9.501 9.740 9.980 10.219 10.458	31/4 31/4 31/4 31/4 31/4	19.00 19.70 20.40 21.10 21.80	20.50 21.20 21.90 22.60 23.30	20.50 21.20 21.90 22.60 23.30	22.00 22.70 23.40 24.10 24.80	1.00 1.00 1.10 1.10 1.20	26.70 27.70 28.70 29.70 30.70	28.20 29.20 30.20 31.20 32.20	28.20 29.20 30.20 31.20 32.20	29.70 30.70 31.70 32.70 33.70	1.20 1.20 1.30 1.30 1.40
43 44 45 46 47	10.275 10.513 10.752 10.990 11.229	10.044 10.283 10.522	10.937 11.176 11.414	31/4 31/4 31/4 31/4 31/4	22.50 23.20 23.90 24.60 25.30	24.00 24.70 25.40 26.10 26.80	24.00 24.70 25.40 26.10 26.80	25.50 26.20 26.90 27.60 28.30	1.30 1.40 1.50 1.60 1.70	31.70 32.80 33.90 35.00 36.10	33.20 34.30 35.40 36.50 37.60	33.20 34.30 35.40 36.50 37.60	34.70 35.80 36.90 38.00 39.10	1.50 1.60 1.70 1.80 1.90
48 49 50	11.467 11.706 11.945	11.237		31/4 31/4 31/4	26.00 26.70 27.40	27.50 28.20 28.90	27.50 28.20 28.90	29.00 29.70 30.40	1.80 1.90 2.00	37.20 38.30 39.40	38.70 39.80 40.90	38.70 39.80 40.90	40.20 41.30 42.40	2.00 2.10 2.20

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NO. RC-E60 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$3 30 Per Foot

TYPE C STEEL AND CAST IRON

Sprockets—Page 65

PITCH

LIST PRICES AND DIMENSIONS LIST PRICES-STEEL LIST PRICES-CAST IRON SPROCKETS or Rach Extra " Hub 5.186 5.666 6.147 6.627 7.106 \$10.50 \$12.90 .20 .20 20 22 24 26 28 11.10 11.70 12.30 13.00 12.30 12.90 13.50 14.20 13.50 14.10 14.70 15.40 .20 13 14 15 14.90 15.60 16.30 16

36 38	8.605 8.137 9.023 334 9.082 8.613 9.501 334	For pricing Type "C" Steel Sprockets in this block, use prices on opposite page plus addi- tional hub length charges.	15.80 17.00 17.00 18.20 20 16.50 17.70 17.70 18.90 20
40 42 44 46 48	9.559 9.090 9.980 334 10.036 9.567 10.458 334 10.513 10.044 10.937 334 10.990 10.522 11.414 334 11.467 10.999 11.893 334		17.20 18.40 18.40 19.60 .20 18.00 19.20 19.20 20.40 .20 18.70 19.90 19.90 21.10 .20 19.40 21.10 20.80 22.50 .25 20.10 21.80 21.50 23.20 .25
50 52 54 56 58	11.945 11.476 12.371 334 12.422 11.953 12.849 334 12.899 12.430 13.327 334 13.376 12.907 13.805 334 13.853 13.385 14.283 334	\$30.30 \$32.10 \$31.80 \$33.60 \$0.50 31.40 33.20 32.90 34.70 50 33.60 35.40 35.10 36.90 50 35.90 37.40 37.10 39.20 50	20.80 22.50 22.20 23.90 .25 21.50 23.20 22.90 24.60 .25 22.20 23.90 23.60 25.30 .25 23.00 24.70 24.40 25.10 .25 23.80 25.50 25.20 26.90 .25
60 62 64 66 68	14, 331 13, 862 14, 761 334 14, 808 14, 339 15, 239 334 15, 285 14, 816 15, 716 334 15, 762 15, 293 16, 195 334 16, 240 15, 771 16, 673 334	38.10 39.90 39.60 41.40 .50 40.30 42.10 41.80 43.60 .50 42.50 44.30 44.00 45.80 .50 44.70 46.50 46.20 48.00 .50 47.20 49.00 48.70 50.50 .50	24.60 26.30 26.00 27.70 .25 25.40 27.10 26.80 28.50 .25 26.20 27.90 27.60 29.30 .25 27.00 28.70 28.40 30.10 .25 27.80 29.50 29.20 30.90 .25
70 72 74 76 77	16, 717 16, 248 17, 150 334 17, 194 16, 725 17, 628 334 17, 671 17, 203 18, 106 334 18, 149 17, 680 18, 584 334 18, 387 17, 918 18, 822 334	49.30 51.20 50.80 52.70 .50 51.40 53.40 52.90 54.90 .50 53.50 55.60 55.00 57.10 .50 55.50 57.70 57.10 59.30 .60 56.70 58.95 58.30 60.55 .60	28.80 30.50 30.20 31.90 .25 29.80 31.50 31.20 32.90 .30 30.90 32.60 32.30 34.00 .30 32.00 34.00 33.50 35.50 .30 32.60 34.60 34.10 36.10 .30
78 80 82 84 86	18.626 18.157 19.061 334 19.103 18.635 19.539 334 19.581 19.112 20.017 4 20.058 19.589 20.495 4 20.536 20.067 20.972 4	57.90 60.20 59.50 61.80 .60 60.30 62.70 61.90 64.30 .60 62.70 65.20 64.30 66.80 .60 65.10 67.70 66.70 69.30 .60 67.50 70.20 69.10 71.80 .60	36.00 38.00 37.50 39.50 .30 37.00 39.00 38.50 40.50 .30 38.00 40.00 39.50 41.50 .30 39.00 41.00 40.50 42.50 .30 40.00 42.00 41.50 43.50 .30
88 90 92 94 96	21, 013 20, 544 21, 449 4 21, 490 21, 021 21, 927 4 21, 968 21, 499 22, 405 4 22, 445 21, 976 22, 883 4 22, 922 22, 453 23, 360 4	69.90 72.70 71.50 74.30 .60 72.30 75.20 73.90 76.80 .60 74.70 77.70 76.30 79.30 .60 77.10 80.20 78.70 81.80 .60 79.50 82.60 81.10 84.20 .60	41.00 43.00 42.50 44.50 .30 42.00 44.00 43.50 45.50 .30 43.00 45.20 44.50 46.70 .30 44.10 46.30 45.60 47.80 .30 45.30 47.50 46.80 49.00 .30

86.70 89.20

86.10

50 Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sprockets with intermediate numbers of teeth, see page 54.

TRIPLE WIDTH SPROCKETS (MADE-TO-ORDER)

PITCH

LIST PRICE OF CHAIN \$5.62 Per Foot

TYPE B STEEL

Chain—Page 46 Stock Sprockets-Page 65

				Stand.	LIST P	RICES-N	OT HARD	ENED SPR	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hul Length
8 9 10 11 12	2.613 2.924 3.236 3.549 3.864	2.299 2.611 2.924	3.347 3.678 4.006	35/6 35/6 35/6 35/6 35/6	\$ 6.40 6.80 7.20 7.60 8.00	\$ 7.40 7.80 8.20 8.60 9.00	\$ 7.40 7.80 8.20 8.60 9.00	\$ 8.40 8.80 9.20 9.60 10.00	\$ 0.10 .10 .20 .20 .20	\$ 9.10 9.60 10.10 10.60 11.10	\$10.10 10.60 11.10 11.60 12.10	\$10.10 10.60 11.10 11.60 12.10	\$11.10 11.60 12.10 12.60 13.10	\$ 0.20 .20 .30 .30 .30
13 14 15 16 17	4.179 4.494 4.810 5.126 5.442	3.869 4.185	4.982 5.305 5.627	3 % 3 % 3 % 3 % 3 %	8.40 8.90 9.50 10.20 10.90	9.40 9.90 10.50 11.40 12.10	9.40 9.90 10.50 11.40 12.10	10.40 10.90 11.50 12.60 13.30	.30 .30 .40 .40 .50	11.70 12.40 13.20 14.20 15.30	12.70 13.40 14.20 15.40 16.50	12.70 13.40 14.20 15.40 16.50	13.70 14.40 15.20 16.60 17.70	.40 .40 .50 .50
18 19 20 21 22	5.759 6.076 6.393 6.710 7.027	5.451 5.768 6.085	6.593 6.914 7.235	37/8 37/8 37/8 37/8 37/8	11.70 12.70 13.70 14.70 15.80	12.90 13.90 14.90 16.30 17.40	12.90 13.90 14.90 16.30 17.40	14.10 15.10 16.10 17.90 19.00	.50 .60 .60 .70 .70	16.50 17.90 19.30 20.70 22.20	17.70 19.10 20.50 22.30 23.80	17.70 19.10 20.50 22.30 23.80	18.90 20.30 21.70 23.90 25.40	.60 .70 .70 .80 .90
23 24 25 26 27	7.344 7.661 7.979 8.296 8.614	7.036 7.354 7.671	8.196 8.516 8.836	378 378 418 418 418	16.90 18.10 19.30 20.50 21.70	18.50 19.70 20.90 22.10 23.30	18.50 19.70 20.90 22.10 23.30	20.10 21.30 22.50 23.70 24.90	.80 .80 .90 .90 1.00	23.70 25.40 27.10 28.80 30.50	25.30 27.00 28.70 30.40 32.10	25.30 27.00 28.70 30.40 32.10	26.90 28.60 30.30 32.00 33.70	1.00 1.00 1.10 1.30
28 29 30 31 32	8.932 9.249 9.567 9.885 10.202	8.624 8.942 9.260	9.475 9.795 10.114 10.434 10.753	41/8 41/8 41/8 41/8 41/8	22.90 24.10 25.30 26.50 27.70	24.50 25.70 26.90 28.40 29.60	24.50 25.70 26.90 28.40 29.60	26.10 27.30 28.50 30.30 31.50	1.10 1.20 1.30 1.40 1.50	32.20 33.90 35.60 37.40 39.20	33.80 35.50 37.30 39.30 41.10	33.80 35.50 37.30 39.30 41.10	35.40 37.10 38.80 41.20 43.00	1.40 1.50 1.60 1.70 1.80
36	10.838	10.213 10.531 10.849	12.030	41/8 41/8 41/8 41/8 41/8	28.90 30.10 31.30 32.50 33.80	30.80 32.00 33.20 34.40 35.70	30.80 32.00 33.20 34.40 35.70	32.70 33.90 35.10 36.30 37.60	1.60 1.70 1.80 1.90 2.00	41.00 42.80 44.60 46.40 48.40	42.90 44.70 46.50 48.30 50.30	42.90 44.70 46.50 48.30 50.30	44.80 46.60 48.40 50.20 52.20	1.90 2.00 2.10 2.20 2.30

as indicated by tabled hub lengths for Type "C" wheels.



and quietly on this laundry machine.



Cooker equipped with Silverstreak Silent Chain Drive, Herringbone Reducer and Triple Width Roller Chain for final drive.

FOR NO. RC-E80 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$5.62 Per Foot

TYPE C STEEL AND CAST IRON

LIST PRICES AND DIMENSIONS

Chain—Page 46 Stock Sprockets—Page 65

			_	-	T	List			14310143			Andread or a		par Charles
				Stand. Hub	LI	ST PRICE				LIST			ON SPROC	
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Bech Extra 1/4" Hub Length
20 22 24 26 28	6.393 7.027 7.661 8.296 8.932	5.768 6.402 7.036 7.671 8.307	7.555 8.196 8.836	436	For pric	ing Type	on opposi	te page p	olus addi-	\$15.70 16.60 17.50 18.40 19.40	\$17.10 18.00 18.90 19.80 20.80	\$17.00 17.90 18.80 19.70 20.70	\$18.40 19.30 20.20 21.10 22.10	\$ 0.25 .25 .25 .25 .25 .25
30 32 34 36 38	11.474	9.577 10.213 10.849	10.114 10.753 11.392 12.030 12.668	436 436 436 436 436			ib length		•	20.60 21.90 23.20 24.60 26.00	22.00 23.30 24.60 26.40 27.80	21.90 23.20 24.50 26.10 27.50	23.30 24.60 25.90 27.90 29.30	.25 .25 .25 .30 .30
40 42 44 46 48	13.382 14.018 14.654	12.757 13.393 14.029	13.306 13.944 14.582 15.219 15.857	434	\$37.30 39.80 42.20 44.60 47.00	\$39.20 41.70 44.20 46.70 49.20	\$38.80 41.30 43.70 46.10 48.50		\$ 0.60 .60 .60 .60	27.40 28.80 30.20 31.60 33.00	29.20 30.60 32.00 33.40 34.80	28.90 30.30 31.70 33.10 34.50	30.70 32.10 33.50 34.90 36.30	.30 .30 .30 .30 .30
50 52 54 56 57	16.562 17.198 17.835	15.937 16.573 17.210	16.495 17.132 17.769 18.406 18.725	434 414 414	49.40 51.80 54.20 56.60 57.80	51.70 54.10 56.50 58.90 60.10	50.90 53.40 55.80 58.20 59.40	53.20 55.70 58.10 60.50 61.70	.60 .60 .60 .60	34.60 36.20 37.80 39.40 40.20	36.40 38.30 39.90 41.50 42.30	36.10 37.70 39.30 40.90 41.70	37.90 39.80 41.40 43.00 43.80	.30 .30 .30 .35 .35
58 60 62 64 66	19.107 19.744 20.380	18.482 19.119 19.755	19.044 19.681 20.318 20.955 21.593	436	59.00 61.40 63.80 66.20 68.60	61.30 63.70 66.10 68.50 71.40	60.60 63.00 65.40 67.80 70.20	62.90 65.30 67.80 70.30 73.00	.60 .60 .60 .60	43.80 45.30 46.80 48.30 49.80	45.90 47.40 48.90 50.40 52.40	45.30 46.80 48.30 49.80 51.30	47.40 48.90 50.40 51.90 53.90	.35 .35 .35 .35 .35
68 70 72 74 76	22.289 22.926 23.562	21.664 22.301 22.937	23 504	4% 4% 4% 4% 4% 4%	71.00 73.40 75.80 78.20 80.60	73.80 76.20 78.60 81.00 83.40	72.60 75.00 77.40 79.80 82.20	75.40 77.80 80.20 82.60 85.00	.70 .70 .70 .70 .70	51.40 53.00 54.60 56.20 57.80	54.00 55.60 57.20 58.80 60.40	52.90 54.50 56.10 57.70 59.30	55.50 57.10 58.70 60.30 61.90	.35 .35 .35 .35 .35
78 80 82 84 86	25.471 26.108 26.744	24.846	25.415 26.052 26.689 27.326 27.962	434 434 5 5 5	83.00 85.40 87.90 90.30 92.70	85.80 88.20 91.10 93.50 95.90	84.60 87.00 89.50 91.90 94.30	87.40 89.80 92.30 94.70 97.10	.70 .70 .70 .80 .80	59.40 61.00 62.80 64.60 66.40	62.00 63.60 65.90 67.70 69.50	60.90 62.50 64.30 66.10 67.90	63.50 65.10 67.40 69.20 71.00	.35 .35 .40 .40 .40
88 90 92 94 96	28.654 29.290 29.926	28.029 28.665 29.301	28.599 29.236 29.873 30.510 31.146	5	95.10 97.50 99.90 102.30 104.80	98.30 100.70 103.10 105.50 108.30	96.70 99.10 101.50 103.90 106.40	99.50 101.90 104.30 106.70 109.90	.80 .80 .80 .80	68.20 70.00 71.90 73.80 75.70	71.30 73.10 75.00 76.90 79.20	69.70 71.50 73.40 75.30 77.20	72.80 74.60 76.50 78.40 80.70	.40 .40 .40 .40 .40
98 100	31.199 31.836	30.574 31.211	31.783 32.420	5	107.30 109.80	110.80 113.30	108.90 111.40	112.40 114.90	.80	77.60 79.50	81.10 83.00	79.10 81.00	82.60 84.50	.40

For diameters of Sprockets with intermediate numbers of teeth, see page 55.

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

TRIPLE WIDTH SPROCKETS (MADE-TO-ORDER)

PITCH S6.60 Per Foot

TYPE B STEEL

Chain—Page 46 Stock Sprockets—Page 65

LIST PRICES AND DIMENSIONS

				Stand.	LIST PE	RICES-NO	T HARDI	ENED SPR	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length
8 9 10 11 12	3.266 3.655 4.045 4.437 4.830	2.905 3.295 3.687	4.184 4.598 5.008	414 414 414 414 414 414	\$ 8.70 9.20 9.80 10.60 11.80	\$ 9.80 10.30 10.90 11.70 12.90	\$ 9.80 10.30 10.90 11.70 12.90	\$10.90 11.40 12.00 12.80 14.00	\$ 0.20 .20 .30 .40 .40	\$12.20 12.80 13.50 14.60 16.10	\$13.30 13.90 14.60 15.70 17.20	\$13.30 13.90 14.60 15.70 17.20	\$14.40 15.00 15.70 16.80 18.30	\$ 0.30 .30 .40 .50 .50
13 14 15 16 17	5.223 5.617 6.012 6.407 6.803	4.867 5.262 5.657	6.228 8.631 7.034	41/4 41/2 41/2 41/2 41/2	13.00 14.30 15.60 17.10 18.60	14.30 15.60 16.90 18.40 19.90	14.30 15.60 16.90 18.40 19.90	15.60 16.90 18.20 19.70 21.20	.50 .50 .60 .60	17.70 19.50 21.30 23.40 25.50	19.00 20.80 22.60 24.70 26.80	19.00 20.80 22.60 24.70 26.80	20.30 22.10 23.90 26.00 28.10	.60 .70 .80
18 19 20 21 22	7.198 7.595 7.991 8.387 8.783	6.845 7.241 7.637	8.241 8.643 9.044	434	20.10 21.60 23.20 24.80 26.50	21.40 23.30 24.90 26.50 28.20	21.40 23.30 24.90 26.50 28.20	22.70 25.00 26.60 28.20 29.90	.80 .90 1.00 1.10 1.20	27.70 29.90 32.20 34.50 36.90	29.00 31.60 33.90 36.20 38.60	29.00 31.60 33.90 36.20 38.60	30.30 33.30 35.60 37.90 40.30	1.00 1.10 1.30 1.40 1.50
23 24 25 26 27	9.180 9.577 9.973 10.370 10.767	8.827 9.223 9.620	9.844 10.245 10.645 11.045 11.445	434 434 434	28.20 30.00 31.80 33.70 35.60	29.90 31.70 33.70 35.60 37.50	29.90 31.70 33.70 35.60 37.50	31.60 33.40 35.60 37.50 39.40	1.30 1.40 1.50 1.60 1.70	39.30 41.80 44.40 47.10 49.80	42.00 43.50 46.30 49.00 51.70	42.00 43.50 46.30 49.00 51.70	43.70 45.20 48.20 50.90 53.60	1.60 1.70 1.80 1.90 2.00
28 29 30	11.561	10.811	11.844 12.244 12.643	434	37.70 39.80 42.00	39.60 41.70 43.90	39.60 41.70 43.90	41.50 43.60 45.80	1.80 1.90 2.00	52.70 55.70 58.80	54.60 57.60 60.70	54.60 57.60 60.70	56.50 59.50 62.60	2.10 2.20 2.30

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.



ROLLER CHAIN DRIVES CARRIED IN STOCK

Roller Chain Drive as illustrated can be had from stocks located at Link-Belt warehouses and distributing agencies located throughout the United States and Canada.

See Pages 58-65.

FOR NO. RC-E100 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$6.60 Per Foot

23.089 22.339 23.805 23.884 23.134 24.601 24.680 23.930 25.398 24.475 24.725 26.194 26.271 25.521 26.991

27.066 26.316 27.788 27.862 27.112 28.584 28.657 27.907 29.380 29.453 28.703 30.176 30.248 29.498 30.973

31.044 30.294 31.769

31 .839 31 .089 32 .565 32 .635 31 .885 33 .361 33 .430 32 .680 34 .158

34 . 226 . 33 . 476 34 . 953

68

TYPE C STEEL AND CAST IRON

Chain-Page 46 Stock Sprockets—Page 65 PITCH

.60 .60

.60

92.80 95.90 .50 .50 .50

112.20 115.40 119.10 122.30

			177		C. Charge			ND DIMENS					1776.05100	
				Stand. Hub	LI			SPROCKE		LIST			ON SPROC	
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Raci Extra 1/4" Hull Length
18 19 20 21 22	7.198 7.595 7.991 8.387 8.783	6.845 7.241 7.637	8.241 8.643 9.044	51/4 51/4 51/4 51/4						\$22.50 23.60 24.70 25.80 26.90	\$24.40 25.50 26.60 27.70 28.80	\$24.00 25.10 26.20 27.30 28.40	\$25.90 27.00 28.10 29.20 30.30	\$ 0.35 .35 .35 .35 .35
23 24 25 26 28	9.180 9.577 9.973 10.370 11.164	8.827 9.223 9.620	10.245 10.645 11.045	51/4 51/4 51/4 51/4	For pric	ing Type se prices tional h	"C" Stee on opposi ub length	el Sprocke ite page p a charges.	ts in this lus addi-	28.00 29.10 30.20 31.30 33.50	29.90 31.00 32.10 33.20 35.40	29.50 30.60 31.70 32.80 35.00	31.40 32.50 33.60 34.70 36.90	.35 .35 .35 .35
30 32 34 36 38	12.753 13.547 14.342	12.003 12.797 13.592	12.643 13.441 14.240 15.038 15.835	514	\$54.00 58.10	CAST S \$56.50 60.70	\$55.60 59.70		\$ 0.70 .70	35.70 37.90 40.10 42.30 44.50	37.60 40.20 42.40 44.60 46.80	37.20 39.40 41.60 43.80 46.00	39.10 41.70 43.90 46.10 48.30	.35 .35 .35 .40
40 42 44 45 46	16.727 17.522 17.920	15.977 16.772 17.170	16.633 17.430 18.228 18.626 19.024	51/4 51/4 51/4 51/4	62.10 66.20 70.30 72.30 74.30	64.90 69.10 73.20 75.30 77.40	63.70 67.80 71.90 73.90 75.90	66.50 70.70 74.80 76.85 78.90	.70 .70 .70 .70 .70	46.70 49.00 51.30 53.30 57.60	49.00 51.30 53.60 56.10 60.40	48.20 50.50 52.80 54.80 59.10	50.50 52.80 55.10 57.60 61.90	.40 .40 .40 .40
48 50 52 54 56	19.908 20.703 21.498	19.953	20.619	514 514 514 514	78.40 82.50 86.60 90.60 94.70	81.60 85.70 89.90 94.10 98.20	80.00 84.10 88.20 92.20 96.30	83.20 87.30 91.50 95.70 99.80	.80 .80 .80 .80	60.30 63.00 65.70 68.40 71.10	63.10 65.80 68.50 71.20 73.90	61.80 64.50 67.20 69.90 72.60	64.60 67.30 70.00 72.70 75.40	.40 .40 .40 .40

104.00 107.90 112.00

124.20 128.30 8n

145.10 149 10 153 10 157 30 161 30 000 107.00 110.70 108.50

149.10 153.10 157.10

161.10 165.10 165.30 169.30 80 80 73.80 76.60 79.40 77.00 79.80 82.60 75.30 78.10 80.90 78.50 81.30 84.10 .40 .40

.80

1 00

1.00 103.80 107.50 105.30 109.00

88.10 91.20 94.30 97.40 100.60

110.20 113.40 116.60 113.90 117.60 120.80

91.30 94.40

98 00 95.80 98.90 102.10 99.50 102.60 105.80

101 . 10 104 . 30

89.60 92.70

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes For diameters of Sprockets with intermediate numbers of teeth, see page 55.

122.60 126.70 120.70 124.80

98.80 102.80 102.40 106.30 100.40 104.40 108.50

106.90 110.40

111.00 114.50 112.60 116.10 .80 82.20 85.40 83.70 86.90 .50

119.10

123.20

127.30 131.30 135.40 131.00 135.00 139.20 128.90 132.90 137.00 132.50 .00

143.50 147.50 151.50 155.50 147.50 151.50 155.70 159.70

159.50 163.50

534 534 139.50 143.40 141

QUADRUPLE WIDTH SPROCKETS (MADE-TO-ORDER)

3/8" PITCH

LIST PRICE OF CHAIN \$2.20 Per Foot TYPE B STEEL

Chain—Page 47

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i			Ħ	

Section 200				Stand. Hub	LIST P	RICES-N	T HARDE	NED SPR	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Hub Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length
12 13 14 15 16	1.449 1.567 1.685 1.804 1.922	1.367 1.485 1.604	1.746 1.868 1.989	21/8 21/8 21/8 21/8 21/8 21/8	\$ 5.15 5.20 5.25 5.30 5.40	\$ 5.95 6.00 6.05 6.10 6.20	\$ 5.95 6.00 6.05 6.10 6.20	\$ 6.75 6.80 6.85 6.90 7.00	\$ 0.10 .10 .10 .10	\$ 7.35 7.40 7.45 7.50 7.60	\$ 8.15 8.20 8.25 8.30 8.40	\$ 8.15 8.20 8.25 8.30 8.40	\$ 8.95 9.00 9.05 9.10 9.20	\$ 0.15 .15 .15 .15 .20
17 18 19 20 22	2.041 2.159 2.278 2.397 2.635	1.959 2.078 2.197	2.472	21/8 21/8 21/8 21/4 21/4	5.50 5.60 5.70 5.80 6.00	6.30 6.40 6.50 6.60 6.80	6.30 6.40 6.50 6.60 6.80	7.10 7.20 7.30 7.40 7.60	.10 .10 .10 .10	7.70 7.80 7.90 8.00 8.20	8.50 8.60 8.70 8.80 9.00	8.50 8.60 8.70 8.80 9.00	9.30 9.40 9.50 9.60 9.80	.20 .20 .20 .20 .20
24 26 28 30 32	2.873 3.111 3.349 3.588 3.826	2.911 3.149 3.388	3.314 3.553 3.793	214 214 214 214 214	6.20 6.50 6.80 7.10 7.40	7.00 7.30 7.60 7.90 8.20	7.00 7.30 7.60 7.90 8.20	7.80 8.10 8.40 8.70 9.00	.10 .10 .20 .20 .20	8.40 8.70 9.00 9.30 9.70	9.20 9.50 9.80 10.10 10.50	9.20 9.50 9.80 10.10 10.50	10.00 10.30 10.60 10.90 11.30	.20 .20 .30 .30 .30
34 36 38 40 42	4.064 4.303 4.541 4.780 5.018	4.103 4.341 4.580	4.751	214 214 214 214 214 214	7.70 8.00 8.30 8.60 9.00	8.50 8.80 9.10 9.40 9.80	8.50 8.80 9.10 9.40 9.80	9.30 9.60 9.90 10.20 10.60	.20 .30 .30 .30 .30	10.10 10.60 11.00 11.50 12.00	10.90 11.40 11.80 12.30 12.80	10.90 11.40 11.80 12.30 12.80	11.70 12.20 12.60 13.10 13.60	.30 .40 .40 .40 .40
44 46 48 50 52	5.257 5.495 5.734 5.972 6.211	5.295 5.534 5.772	5.946 6.186	21/4 21/4 23/4 23/4 23/4 23/4	9.40 9.80 10.20 10.60 11.00	10.20 10.60 11.00 11.40 12.00	10.20 10.60 11.00 11.40 12.00	11.00 11.40 11.80 12.20 13.00	.40 .40 .50 .50	12.60 13.10 13.70 14.20 14.80	13.40 13.90 14.50 15.00 15.80	13.40 13.90 14.50 15.00 15.80	14.20 14.70 15.30 15.80 16.80	.50 .50 .60 .60
54 56 58 60 62	6.449 6.688 6.927 7.165 7.404	6.488	6.903 7.142 7.381	23/6 23/6 23/6 23/6 23/6 23/6	11.50 12.00 12.50 13.00 13.50	12.50 13.00 13.50 14.00 14.50	12.50 13.00 13.50 14.00 14.50	13.50 14.00 14.50 15.00 15.50	.60 .60 .60 .70	15.40 16.10 16.70 17.40 18.00	16.40 17.10 17.70 18.40 19.00	16.40 17.10 17.70 18.40 19.00	17.40 18.10 18.70 19.40 20.00	.70 .70 .70 .70 .85
64 66 68 70 72	7.642 7.881 8.120 8.358 8.597	7.681	8.097	23/6 23/6 23/6 23/6 23/6 23/6	14.00 14.50 15.00 15.50 16.10	15.00 15.50 16.00 16.70 17.30	15.00 15.50 16.00 16.70 17.30	16.00 16.50 17.00 17.90 18.50	.70 .80 .80 1.00 1.00	18.60 19.30 20.00 20.60 21.40	19.60 20.30 21.00 21.80 22.60	19.60 20.30 21.00 21.80 22.60	20.60 21.30 22.00 23.00 23.80	.85 .96 .96 1.15 1.15
74 76 78 80 82	8.836 9.074 9.313 9.552 9.790	8.874 9.113 9.352	9.291	23/8 23/8 23/8 23/8 23/8	16.70 17.30 17.90 18.50 19.10	17.90 18.50 19.10 19.70 20.30	17.90 18.50 19.10 19.70 20.30	19.10 19.70 20.30 20.90 21.50	1.10 1.10 1.20 1.20 1.30	22.10 22.90 23.60 24.30 25.10	23.30 24.10 24.80 25.50 26.30	23.30 24.10 24.80 25.50 26.30	24.50 25.30 26.00 26.70 27.50	1.25 1.25 1.35 1.35 1.45
84 86 88 90 92	10.268 10.506 10.745	10.306	10.247 10.486 10.725 10.964 11.203	23/6 23/6 23/6 23/6 23/6 23/6	19.70 20.30 21.00 21.70 22.40	20.90 21.50 22.20 22.90 23.60	20.90 21.50 22.20 22.90 23.60	22.10 22.70 23.40 24.10 24.80	1.30 1.40 1.50 1.50 1.60	25.90 26.70 27.60 28.50 29.50	27.10 27.90 28.80 29.70 30.70	27.10 27.90 28.80 29.70 30.70	28.30 29.10 30.00 30.90 31.90	1.45 1.55 1.65 1.65 1.75
94 96 98 100 102	11.461 11.700 11.938	11.500	11 680 11 919 12 158	2% 2% 2% 2% 2% 2%	23.10 23.80 24.50 25.20 25.90	24.30 25.00 25.70 26.40 27.10	24.30 25.00 25.70 26.40 27.10	25.50 26.20 26.90 27.60 28.30	1.70 1.70 1.80 1.90 2.00	30.50 31.50 32.50 33.50 34.50	31.70 32.70 33.70 34.70 35.70	31.70 32.70 33.70 34.70 35.70	32.90 33.90 34.90 35.90 36.90	1.85 1.85 1.95 2.05 2.15

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 53.

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NO. RC-F35 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$2.20 Per Foot

TYPE C STEEL AND CAST IRON

Chain—Page 4

3/8 PITCH

securitari	DA AMERICA			Stand.	LI	ST PRICE	S-STEEL	SPROCKE	TS	LIST	PRICES	CAST IF	ON SPRO	KRTS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Hub Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length
48 49 50 51 52	5.734 5.853 5.972 6.091 6.211	5.534 5.653 5.772 5.891 6.011	6.186	21/2 21/2 21/2 21/2 21/2 21/2						\$10.10 10.15 10.20 10.25 10.30	\$11.10 11.15 11.20 11.25 11.30	\$11.10 11.15 11.20 11.25 11.30	\$12.10 12.15 12.20 12.25 12.30	\$ 0.15 .15 .15 .15 .15
53 54 55 56 57	6.330 6.449 6.569 6.688 6.807	6.249	6.664 6.783 6.903	21/2 21/2 21/2 21/2 21/2						10.35 10.40 10.45 10.50 10.55	11.35 11.40 11.45 11.50 11.55	11.35 11.40 11.45 11.50 11.55	12.35 12.40 12.45 12.50 12.55	.15 .15 .15 .15 .15
58 60 62 64 66	6.927 7.165 7.404 7.642 7.881	7.204	7.381	21/2 21/2 21/2 21/2 21/2 21/2	For pric	ing Type	"C" Stee	l Sprocke	ts in this	10.60 10.80 11.00 11.20 11.40	11.60 11.80 12.20 12.40 12.60	11.60 11.80 12.20 12.40 12.60	12.60 12.80 13.40 13.60 13.80	.15 .15 .15 .15 .15
68 70 72 74 76	8.120 8.358 8.597 8.836 9.074	8.158	8.575 8.814 9.053	21/2 21/2 21/2 21/2 21/2	block, u	se prices tional h	on opposi ub length	te page p charges.	dus addi-	11.60 11.80 12.00 12.20 12.40	12.80 13.00 13.20 13.40 13.60	12.80 13.00 13.20 13.40 13.60	14.00 14.20 14.40 14.60 14.80	. 15 . 15 . 15 . 15 . 15
78 80 82 84 86	9.313 9.552 9.790 10.029 10.268	9.352 9.590 9.829	9.531 9.770 10.008 10.247 10.486	234 234 234 234 234						12.60 12.90 13.10 13.30 13.50	13.80 14.10 14.40 14.60 14.80	13.80 14.10 14.40 14.60 14.80	15.00 15.30 15.70 15.90 16.10	.15 .15 .15 .15
88 90 92 94 96	10.745 10.984 11.222	10.545 10.784 11.022	10.725 10.964 11.203 11.441 11.680	234 234 234 234 234						13.70 13.90 14.10 14.30 14.60	15.00 15.20 15.40 15.60 15.90	15.00 15.20 15.40 15.60 15.90	16.30 16.50 16.70 16.90 17.20	. 15 . 15 . 15 . 15 . 15
98 100 102 104 106	11.938 12.177 12.416	11.738	12.635	2% 2% 2% 2% 2%	\$28.00 28.50	CAST 8 \$29.40 29.90	\$29.30 29.80	S30.70 31.20	\$ 0.40	14.90 15.20 15.50 15.80 16.10	16.20 16.50 16.80 17.10 17.40	16.20 16.50 16.80 17.10 17.40	17.50 17.80 18.10 18.40 18.70	.15 .15 .15 .15 .15
108 110 112 114 116	13.132 13.371 13.609	12.932 13.171 13.409	13.113 13.352 13.590 13.829 14.068	2% 2% 2% 2% 2%	29.00 29.50 30.00 30.50 31.00	30.40 30.90 31.40 31.90 32.40	30.30 30.80 31.30 31.80 32.30	31.70 32.20 32.70 33.20 33.70	.40 .40 .40 .40	16.40 16.70 17.00 17.30 17.60	17.70 18.00 18.30 18.60 18.90	17.70 18.00 18.30 18.60 18.90	19.00 19.30 19.60 19.90 20.20	.15 .15 .15 .15
118 120	14.087 14.326	13.887 14.126	14.307 14.546	2¾ 2¾	31.50 32.00	32.90 33.40	32.80 33.30	34.20 34.70	.40	18.00 18.40	19.30 19.70	19.30 19.70	20.60 21.00	.15

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 53.

To diameters of opposited with intermediate numbers of teetin, see page of

QUADRUPLE WIDTH SPROCKETS (MADE-TO-ORDER)

1/2" PITCH

LIST PRICE OF CHAIN \$3.08 Per Foot TYPE B STEEL

Chain—Page 47

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				Stand. Hub	LIST PI	CES-N	OT HARDI	ENED SPR	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Rach Extra 1/4" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Raci Extra 14" Hub Length
8 9 10 11 12	1.307 1.462 1.618 1.775 1.932	.995 1.150 1.306 1.463 1.620	1.507 1.674 1.839 2.003 2.166	23/4 23/4 23/4 23/4 23/4	\$ 5.85 5.90 5.95 6.00 6.10	\$ 6.75 6.80 6.85 6.90 7.00	\$ 6.75 6.80 6.85 6.90 7.00	\$ 7.65 7.70 7.75 7.80 7.90	\$ 0.10 .10 .10 .10 .10	\$ 8.45 8.50 8.55 8.60 8.70	\$ 9.35 9.40 9.45 9.50 9.60	\$ 9.35 9.40 9.45 9.50 9.60	\$10.25 10.30 10.35 10.40 10.50	\$ 0.15 .15 .15 .15 .15
13 14 15 16 17	2.089 2.247 2.405 2.563 2.721	1.777 1.935 2.093 2.251 2.409	2.329 2.491 2.653 2.814 2.975	21/4 21/4 21/4 21/4 21/4	6.20 6.30 6.40 6.50 6.60	7.10 7.20 7.30 7.40 7.50	7.10 7.20 7.30 7.40 7.50	8.00 8.10 8.20 8.30 8.40	.10 .10 .10 .10 .10	8.80 8.90 9.00 9.10 9.20	9.70 9.80 9.90 10.00 10.10	9.70 9.80 9.90 10.00 10.10	10.60 10.70 10.80 10.90 11.00	.20 .20 .20 .20 .20
18 19 20 21 22	2.879 3.038 3.196 3.355 3.513	2.567 2.726 2.884 3.043 3.201	3.136 3.297 3.457 3.618 3.778	2% 2% 2% 2% 2%	6.70 6.80 7.00 7.20 7.40	7.60 7.70 7.90 8.15 8.40	7.60 7.70 7.90 8.15 8.40	8.50 8.60 8.80 9.10 9.40	.10 .10 .10 .10 .20	9.30 9.40 9.60 9.90 10.20	10.20 10.30 10.50 10.85 11.20	10.20 10.30 10.50 10.85 11.20	11.10 11.20 11.40 11.80 12.20	.20 .20 .25 .25 .35
24 26 28 30 32	3.831 4.148 4.466 4.783 5.101	3.519 3.836 4.154 4.471 4.789	4.098 4.418 4.738 5.057 5.377	2% 2% 2% 2% 2%	7.80 8.20 8.70 9.10 9.60	8.80 9.20 9.70 10.10 10.60	8.80 9.20 9.70 10.10 10.60	9.80 10.20 10.70 11.10 11.60	.20 .20 .30 .30 .40	10.80 11.40 12.10 12.70 13.50	11.80 12.40 13.10 13.70 14.50	11.80 12.40 13.10 13.70 14.50	12.80 13.40 14.10 14.70 15.50	.35 .35 .45 .45 .55
34 36 38 40 42	5.419 5.737 6.055 6.373 6.691	5.107 5.425 5.743 6.061 6.379	6.334	2% 2% 2% 2% 2%	10.10 10.60 11.20 11.80 12.60	11.10 11.60 12.20 12.80 13.80	11.10 11.60 12.20 12.80 13.80	12.10 12.60 13.20 13.80 15.00	.40 .50 .50 .50 .60	14.30 15.10 16.00 16.90 18.00	15.30 16.10 17.00 17.90 19.20	15.30 16.10 17.00 17.90 19.20	16.30 17.10 18.00 18.90 20.40	.55 .65 .65 .65
44 46 48 50 52	7.009 7.327 7.645 7.963 8.281	6.697 7.015 7.333 7.651 7.969	7.291 7.609 7.927 8.247 8.566	2¾ 2¾ 3 3	13.40 14.20 15.00 15.90 16.80	14.60 15.40 16.20 17.10 18.00	14.60 15.40 16.20 17.10 18.00	15.80 16.60 17.40 18.30 19.20	.60 .70 .70 .80 .90	19.10 20.20 21.30 22.50 23.70	20.30 21.40 22.50 23.70 24.90	20.30 21.40 22.50 23.70 24.90	21.50 22.60 23.70 24.90 26.10	.75 .85 .85 .95
54 56 58 60 62	8.599 8.917 9.236 9.554 9.872	8.287 8.605 8.924 9.242 9.560	8.885 9.203 9.522 9.841 10.159	3 3 3 3	17.70 18.60 19.50 20.40 21.40	18.90 19.80 20.70 21.60 22.60	18.90 19.80 20.70 21.60 22.60	20.10 21.00 21.90 22.80 23.80	1.00 1.10 1.20 1.20 1.30	24.90 26.10 27.30 28.50 29.80	26.10 27.30 28.50 29.70 31.00	26.10 27.30 28.50 29.70 31.00	27.30 28.50 29.70 30.90 32.20	1.20 1.30 1.40 1.40 1.50
64 66 68 70 72	10.508	10.196 10.514 10.833		3 3 3 3	22.40 23.40 24.40 25.40 26.40	23.60 24.60 25.60 26.60 27.60	23.60 24.60 25.60 26.60 27.60	24.80 25.80 26.80 27.80 28.80	1.40 1.50 1.60 1.70 1.80	31.10 32.40 33.70 35.00 36.30	32.30 33.60 34.90 36.20 37.50	32.30 33.60 34.90 36.20 37.50	33.50 34.80 36.10 37.40 38.70	1.60 1.70 1.80 1.90 2.00
74 76	11.781 12.099		12.071 12.389	3	27.40 28.40	28.60 29.60	28.60 29.60	29.80 30.80	1.90	37.70 39.10	38.90 40.30	38.90 40.30	40.10 41.50	2.10

For diameters of Sprockets with intermediate numbers of teeth, see page 53.

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NO. RC-F40 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$3.08 Per Foot

TYPE C STEEL AND CAST IRON

LIST PRICES AND DIMENSIONS



		- Control of		Stand. Hub	LIS	T PRICES	STREL	SPROCKE	TS	LIST	PRICES	CAST IR	ON SPROC	KETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/4" Hub Length		With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/4" Hub Length
30 32 34 36 38	4.783 5.101 5.419 5.737 6.055	4.471 4.789 5.107 5.425 5.743	5.057 5.377 5.696 6.015 6.334	314 314 314 314 314						\$10.00 10.30 10.60 10.90 11.30	\$11.00 11.30 11.60 11.90 12.30	\$11.00 11.30 11.60 11.90 12.30	\$12.00 12.30 12.60 12.90 13.30	\$ 0.20 .20 .20 .20 .20
40 42 44 46 48	6.373 6.691 7.009 7.327 7.645	6.061 6.379 6.697 7.015 7.333	6.653 6.972 7.291 7.609 7.927	314 314 314 314 314						11.60 11.90 12.20 12.60 12.90	12.60 13.20 13.50 13.90 14.20	12.60 13.20 13.50 13.90 14.20	13.60 14.50 14.80 15.20 15.50	.20 .20 .20 .20 .20
50 52 54 56 58	7.963 8.281 8.599 8.917 9.236	7.651 7.969 8.287 8.605 8.924		31/4 31/4 31/4 31/4 31/4	For price block, u	se prices	on oppos	el Sprocke ite page p n charges	olus addi-	13.30 13.60 13.90 14.20 14.50	14.60 14.90 15.20 15.50 15.80	14.60 14.90 15.20 15.50 15.80	15.90 16.20 16.50 16.80 17.10	.20 .20 .20 .20 .20
66	10.508	9.878	10.159 10.478	31/2 31/2 31/2 31/2 31/2						14.80 15.20 15.60 16.00 16.40	16.10 16.50 16.90 17.30 17.70	16.10 16.50 16.90 17.30 17.70	17.40 17.80 18.20 18.60 19.00	.20 .20 .20 .20 .20
72 74 76	11.145 11.463 11.781 12.099 12.417	11.151 11.469 11.787	11.752	31/2 31/2 31/2 31/2 31/2	\$30.00	CAST 8 \$31.60	TEEL SPI \$31.60		\$ 0.40	16.80 17.20 17.60 18.10 18.50	18.10 18.50 18.90 19.40 19.80	18.10 18.50 18.90 19.40 19.80	19.40 19.80 20.20 20.70 21.10	.20 .25 .25 .25 .25
86	12.736 13.054 13.372 13.690 14.008	12.742 13.060 13.378	13.982	31/2 31/2 33/4 33/4 33/4	30.60 31.20 31.80 32.40 33.00	32.20 32.80 33.60 34.20 34.80	32.20 32.80 33.40 34.00 34.60	33.80 34.40 35.20 35.80 36.40	.40 .40 .40 .40 .40	19.00 19.40 19.90 20.30 20.80	20.30 21.00 21.50 21.90 22.40	20.30 21.00 21.50 21.90 22.40	21.60 22.60 23.10 23.50 24.00	.25 .25 .25 .25 .25
94 96	14.645 14.963	14.333 14.651 14.969	15.255 15.573	33/4 33/4 33/4 33/4 33/4	34.00 35.00 36.00 37.00 38.00	35.80 36.80 37.80 38.80 39.80	35.60 36.60 37.60 38.60 39.60	37.40 38.40 39.40 40.40 41 40	.40 .40 .40 .40 .40	21.20 21.60 22.10 22.50 23.00	22 80 23 20 23 70 24 10 24 60	22.80 23.20 23.70 24.10 24.60	24.40 24.80 25.30 25.70 26.20	.25 .25 .25 .25 .25
106	16.236 16.555 16.873	15.924 16.243 16.561	16.210 16.529 16.847 17.166 17.483	31/4 33/4 33/4 33/4 33/4	39.00 40.00 41.00 42.00 43.00	40.80 41.80 42.80 43.80 44.80	40.60 41.60 42.60 43.60 44.60	42.40 43.40 44.40 45.40 46.40	.40 .40 .40 .40 .40	23.40 23.90 24.30 24.80 25.20	25.00 25.50 25.90 26.40 26.80	25.00 25.50 25.90 26.40 26.80	26.60 27.10 27.50 28.00 28.40	.25 .25 .25 .25 .25
110 112 114 116 117	17.828 18.146 18.464	17.516 17.834 18.152	17.803 18.120 18.439 18.757 18.917	33/4 33/4 33/4 33/4	44.50 46.00 47.50 49.00 50.50	46.30 47.80 49.30 50.80 52.30	46.10 47.60 49.10 50.60 52.10	47.90 49.40 50.90 52.40 53.90	.40 .40 .40 .40	25.70 26.30 26.90 27.50 28.10	27.30 27.90 28.50 29.10 29.70	27.30 27.90 28.50 29.10 29.70	28.90 29.50 30.10 30.70 31.30	.25 .25 .25 .25 .25
118 120	18.783 19.101	18.471 18.789	19.076 19.394	3¾ 3¾	52.50 55.00	54.30 57.30	54.10 56.60	55.90 58.40	.40 .40	31.20 31.80	32.80 33.40	32.80 33.40	34.40 35.00	.25 .25

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 53.

QUADRUPLE WIDTH SPROCKETS (MADE-TO-ORDER)



LIST PRICE OF CHAIN \$3.52 Per Foot TYPE B STEEL

Chain—Page 47



	1			Stand. Hub	LIST PE	RICES-NO	T HARDE	NED SPR	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra & Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length
8 9 10 11 12	1.633 1.827 2.023 2.219 2.415	1.427 1.623 1.819	2 504	31/2 31/2 31/2 31/2 31/2	\$ 6.05 6.10 6.15 6.20 6.25	\$ 6.95 7.00 7.05 7.10 7.15	\$ 6.95 7.00 7.05 7.10 7.15	\$ 7.85 7.90 7.95 8.00 8.05	\$ 0.10 .10 .10 .10 .10	\$ 8.75 8.80 8.85 9.00 9.05	\$ 9.65 9.70 9.75 9.90 9.95	\$ 9.65 9.70 9.75 9.90 9.95	\$10.55 10.60 10.65 10.80 10.85	\$ 0.15 .15 .15 .15 .20
13 14 15 16 17	2.612 2.809 3.006 3.204 3.401	2.409 2.606 2.804	3.316	31/2 31/2 31/2 31/2 31/2	6.30 6.40 6.50 6.70 6.90	7.20 7.30 7.40 7.60 8.00	7.20 7.30 7.40 7.60 8.00	8.10 8.20 8.30 8.50 9.10	.10 .10 .10 .10 .10	9.20 9.30 9.50 9.70 10.00	10.10 10.20 10.40 10.60 11.10	10.10 10.20 10.40 10.60 11.10	11.00 11.10 11.30 11.50 12.20	.20 .20 .20 .20 .20
18 19 20 21 22	3.599 3.797 3.995 4.194 4.392	3.397 3.596 3.794	4.121 4.321 4.522	31/2 31/2 31/2 31/2 31/2	7.10 7.40 7.80 8.20 8.60	8.20 8.50 8.90 9.30 9.70	8.20 8.50 8.90 9.30 9.70	9.30 9.60 10.00 10.40 10.80	.20 .20 .20 .20 .20	10.20 10.60 11.00 11.50 12.00	11.30 11.70 12.10 12.60 13.10	11.30 11.70 12.10 12.60 13.10	12.40 12.80 13.20 13.70 14.20	.35 .35 .35 .35 .35
23 24 25 26 27	4.590 4.788 4.987 5.185 5.384	4.388 4.587 4.785	5.123	31/2 31/2 31/2 31/2 31/2	9.10 9.60 10.10 10.60 11.10	10.20 10.70 11.20 11.70 12.20	10.20 10.70 11.20 11.70 12.20	11.30 11.80 12.30 12.80 13.30	.20 .30 .30 .30 .30	12.60 13.20 13.80 14.40 15.00	13.70 14.30 14.90 15.50 16.10	13.70 14.30 14.90 15.50 16.10	14.80 15.40 16.00 16.60 17.20	.35 .45 .45 .45 .45
28 29 30 31 32	5.582 5.781 5.979 6.178 6.376	5.381	6.521	31/2 31/2 31/2 31/2 31/2	11.60 12.10 12.60 13.10 13.60	12.70 13.20 13.70 14.20 14.70	12.70 13.20 13.70 14.20 14.70	13.80 14.30 14.80 15.30 15.80	.40 .40 .50 .50	15.60 16.20 16.80 17.50 18.20	16.70 17.30 17.90 18.60 19.30	16.70 17.30 17.90 18.60 19.30	17.80 18.40 19.00 19.70 20.40	.55 .55 .65 .65
33 34 35 36 37	6.575 6.774 6.972 7.171 7.370	6.374 6.572 6.771	7.120 7.319 7.519	31/2 31/2 31/2 31/2 31/2	14.10 14.60 15.15 15.70 16.25	15.20 15.70 16.35 17.00 17.55	15.20 15.70 16.35 17.00 17.55	16.30 16.80 17.55 18.30 18.85	.50 .60 .60 .70	18.90 19.60 20.35 21.10 21.90	20.00 20.70 21.55 22.40 23.20	20.00 20.70 21.55 22.40 23.20	21.10 21.80 22.75 23.70 24.50	.65 .75 .75 .85
38 39 40 42 44	7.569 7.767 7.966 8.363 8.761	7.367 7.566 7.963		31/2 31/2 33/4 33/4 33/4	16.80 17.40 18.00 19.30 20.60	18.10 18.70 19.30 20.60 21.90	18.10 18.70 19.30 20.60 21.90	19.40 20.00 20.60 21.90 23.20	.80 .80 .90 1.00 1.10	22.70 23.55 24.40 26.30 28.20	24.00 24.85 25.70 27.60 29.50	24.00 24.85 25.70 27.60 29.50	25.30 26.15 27.00 28.90 30.80	.95 .95 1.05 1.20 1.30
46 48 50 52 54	9.556 9.954 10.351	9.156 9.554 9.951	9.512 9.911 10.309 10.708 11.106	3¾ 3¾ 3¾ 3¾ 3¾	21.90 23.20 24.50 25.80 27.10	23.20 24.50 25.80 27.10 28.40	23.20 24.50 25.80 27.10 28.40	24.50 25.80 27.10 28.40 29.70	1.20 1.30 1.40 1.50 1.60	30.10 32.10 34.10 36.10 38.10	31.40 33.40 35.40 37.40 39.40	31.40 33.40 35.40 37.40 39.40	32.70 34.70 36.70 38.70 40.70	1.40 1.50 1.60 1.70 1.80
56 58 60 61	11.544	11.144	11.504 11.903 12.306 12.500	3¾ 3¾ 3¾ 3¾	28.40 29.70 31.00 31.70	29.70 31.00 32.30 33.00	29.70 31.00 32.30 33.00	31.00 32.30 33.60 34.30	1.70 1.80 1.90 2.00	40.10 42.20 44.30 45.40	41.40 43.50 45.60 46.70	41.40 43.50 45.60 46.70	42.70 44.80 46.90 48.00	1.90 2.00 2.10 2.20

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes.

For diameters of Sprockets with intermediate numbers of teeth, see page 54.
When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NO. RC-F50 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$3,52 Per Foot TYPE C STEEL AND CAST IRON

Chain—Page 47 PITC

						LIST F	PRICES AL	ND DIMEN	SIONS					
				Stand. Hub	LI	ST PRICES	-STEEL	SPROCKE	ets .	LIST	PRICES-	CAST IRC	ON SPROG	KETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/4" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length
26 28 30 32 34	5.185 5.582 5.979 6.376 6.774	5.182 5.579 5.976	5.922 6.321 6.721	33/4 33/4 33/4 33/4 33/4						\$11.40 11.90 12.50 13.10 13.70	\$12.50 13.00 13.60 14.20 14.80	\$12.50 13.00 13.60 14.20 14.80	\$13.60 14.10 14.70 15.30 15.90	\$ 0.20 .20 .20 .20 .20 .20
36 38 40 42 44	7.171 7.569 7.966 8.363 8.761	7.566	8 316	3% 3% 3% 3%	For pric	ing Type ise prices	on opposi	l Sprocke ite page p	lus addi-	14.30 14.90 15.50 16.00 16.60	15.40 16.30 16.90 17.40 18.00	15.40 16.30 16.90 17.40 18.00	16.50 17.70 18.30 18.80 19.40	.20 .20 .20 .20 .20
46 48 50 52 54	9.159 9.556 9.954 10.351 10.749	9.156 9.554 9.951	9.512 9.911 10.309 10.708 11.106	3% 3% 4 4		tional II	io icugu	cim gen		17.20 17.80 18.40 19.00 19.60	18.60 19.20 19.80 20.40 21.00	18.60 19.20 19.80 20.40 21.00	20.00 20.60 21.20 21.80 22.40	.20 .20 .20 .20 .20
58 60 62	11.147 11.544 11.942 12.340 12.738	11.144 11.542 11.940	11.903 12.306 12.699	4 4 4 4	\$35.00 36.40	\$36.80 38.20	\$36.50 37.90		\$ 0.40	20.20 20.80 21.40 22.20 23.00	21.60 22.20 22.80 23.60 24.40	21.60 22.20 22.80 23.60 24.40	23.00 23.60 24.20 25.00 25.80	.20 .20 .20 .25 .25
68	13.533 13.931 14.329	13, 133	14.292 14.690	4 4 4 4	37.80 39.20 40.60 42.00 43.40	39.60 41.00 42.40 43.80 45.20	39.30 40.70 42.10 43.50 44.90	41.10 42.50 43.90 45.30 46.70	.40 .40 .40 .40 .40	23.80 24.60 25.40 26.20 27.00	25.20 26.00 26.80 27.90 28.70	25.20 26.00 26.80 27.90 28.70	26.60 27.40 28.20 29.60 30.40	.25 .25 .25 .25 .25
78 80 82	15.124 15.522 15.920 16.317 16.715	15.122 15.520 15.917	15.884 16.283 16.681	4 4 4 414 414	44.80 46.20 47.60 49.00 50.40	46.60 48.00 49.40 51.00 52.40	46.30 47.70 49.10 50.70 52.10	48.10 49.50 50.90 52.70 54.10	.40 .40 .40 .50	27.80 28.60 29.40 30.20 31.00	29.50 30.30 31.10 31.90 32.70	29.50 30.30 31.10 31.90 32.70	31.20 32.00 32.80 33.60 34.40	.25 .25 .25 .25 .25 .25
90 92	17.113 17.511 17.909 18.306 18.505	17.509	17.874 18.273 18.671	414 414 414 414 414	51.80 53.20 54.60 56.00 57.40	53.80 55.20 56.60 58.00 59.40	53.50 54.90 56.30 57.70 59.10	55.50 56.90 58.30 59.70 61.10	.50 .50 .50 .50	31.80 32.60 33.40 34.20 34.60	33.50 34.30 35.10 35.90 36.30	33.50 34.30 35.10 35.90 36.30	35.20 36.00 36.80 37.60 38.00	.25 .25 .25 .30 .30
98 100	18.704 19.102 19.500 19.898 20.295	19.100	19.466 19.864 20.263	414 414 414 414 414	58.80 60.20 61.60 63.00 64.40	60.80 62.20 63.60 65.00 66.40	60.50 61.90 63.30 64.70 66.10	62.50 63.90 65.30 66.70 68.10	.50 .50 .50 .50	37.80 38.60 39.40 40.20 41.10	39.50 40.30 41.10 41.90 42.80	39.50 40.30 41.10 41.90 42.80	41.20 42.00 42.80 43.60 44.50	.30 .30 .30 .30 .30
106 108 110	20.693 21.091 21.489 21.887 22.285	20.691 21.089 21.487	21.457 21.855 22.253	414 414 414 414 414	65.80 67.20 68.60 70.00 71.40	67.80 69.20 70.60 72.00 73.40	67.50 68.90 70.30 71.70 73.10	69.50 70.90 72.30 73.70 75.10	.50 .50 .50 .50	42.00 43.00 44.00 45.00 46.00	43.70 44.70 45.70 46.70 47.70	43.70 44.70 45.70 46.70 47.70	45.40 46.40 47.40 48.40 49.40	.30 .30 .30 .30 .30
116 118	22.683 23.080 23.478 23.876	22.680	23.049 23.447 23.845 24.243	414 414 414 414	72.80 74.20 75.60 77.00	74.80 76.20 77.60 79.00	74.50 75.90 77.30 78.70	76.50 77.90 79.30 80.70	.50 .50 .50 .50	47.00 48.00 49.00 50.00	48.70 49.70 50.70 51.70	48.70 49.70 50.70 51.70	50.40 51.40 52.40 53.40	.30 .30 .30 .30

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sprockets with intermediate numbers of teeth, see page 54.

QUADRUPLE WIDTH SPROCKETS (MADE-TO-ORDER)

3/4" PITCH

LIST PRICE OF CHAIN \$4.40 Per Foot TYPE B STEEL

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R	a	a	л

				Stand.	LIST F	RICES-N	OT HARD	ENED SPE	ROCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra ' Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hull Length
8 9 10 11 12	1.960 2.193 2.427 2.662 2.898	1.491 1.724 1.958 2.193 2.429	2.510 2.759 3.005	4 4 4 4	\$ 6.20 6.25 6.30 6.40 6.50	\$ 7.20 7.25 7.30 7.40 7.50	\$ 7.20 7.25 7.30 7.40 7.50	\$ 8.20 8.25 8.30 8.40 8.50	\$ 0.10 .10 .10 .10 .20	\$ 9.00 9.15 9.30 9.50 9.70	\$10.00 10.15 10.30 10.50 10.70	\$10.00 10.15 10.30 10.50 10.70	\$11.00 11.15 11.30 11.50 11.70	\$ 0.20 .20 .20 .20 .30
13 14 15 16 17	3.134 3.371 3.607 3.844 4.082	2.665 2.902 3.139 3.376 3.613	3.737 3.979 4.220	4 4 4 4	6.70 7.00 7.30 7.60 7.90	7.70 8.00 8.30 8.60 9.20	7.70 8.00 8.30 8.60 9.20	8.70 9.00 9.30 9.60 10.50	.20 .20 .20 .20 .30	10.00 10.40 10.80 11.20 11.70	11.00 11.40 11.80 12.20 13.00	11.00 11.40 11.80 12.20 13.00	12.00 12.40 12.80 13.20 14.30	.30 .35 .35 .35 .45
18 19 20 21 22	4.319 4.557 4.794 5.032 5.270	4.088 4.326 4.563	4.945 5.186	4 4 4 4	8.20 8.50 8.90 9.40 9.90	9.50 9.80 10.20 10.70 11.20	9.50 9.80 10.20 10.70 11.20	10.80 11 10 11.50 12.00 12.50	.30 .30 .40 .40	12.20 12.70 13.30 14.10 14.80	13.50 14.00 14.60 15.40 16.10	13.50 14.00 14.60 15.40 16.10	14.80 15.30 15.90 16.70 17.40	.45 .45 .50 .50
23 24 25 26 27	5.508 5.746 5.984 6.222 6.460	5.039 5.277 5.515 5.753 5.992	6.147 6.387 6.627	4 4 4 4	10.40 10.90 11.50 12.10 12.80	11.70 12.20 12.80 13.40 14.10	11.70 12.20 12.80 13.40 14.10	13.00 13.50 14.10 14.70 15.40	.40 .50 .50 .50	15.60 16.30 17.20 18.10 19.00	16.90 17.60 18.50 19.40 20.30	16.90 17.60 18.50 19.40 20.30	18.20 18.90 19.80 20.70 21.60	.50 .60 .60 .60
28 29 30 31 32	6.699 6.937 7.175 7.413 7.652	6.945	7.346 7.586 7.826	4 4 4 41/4 41/4	13.50 14.20 14.90 15.60 16.40	14.80 15.50 16.20 16.90 17.70	14.80 15.50 16.20 16.90 17.70	16.10 16.80 17.50 18.20 19.00	.60 .60 .60 .60	20.00 20.90 21.90 22.90 24.00	21.30 22.20 23.20 24.20 25.30	21.30 22.20 23.20 24.20 25.30	22.60 23.50 24.50 25.50 26.60	.70 .70 .80 .80
33 34 35 36 37	7.890 8.129 8.367 8.605 8.844		8.544 8.783 9.023	414 414 414 414 414	17.10 17.90 18.60 19.40 20.10	18.40 19.20 20.20 21.00 21.70	18.40 19.20 20.20 21.00 21.70	19.70 20.50 21.80 22.60 23.30	.70 .80 .80 .90	25.10 26.30 27.40 28.60 29.70	26.40 27.60 29.00 30.20 31.30	26.40 27.60 29.00 30.20 31.30	27.70 28.90 30.60 31.80 32.90	.90 1.00 1.00 1.10 1.10
38 39 40 41 42	9.082 9.321 9.559 9.798 10.036	9.329		414 414 414 414 414	20.90 21.60 22.40 23.10 23.90	22.50 23.20 24.00 24.70 25.50	22.50 23.20 24.00 24.70 25.50	24.10 24.80 25.60 26.30 27.10	1.00 1.00 1.10 1.10 1.20	30.90 32.00 33.20 34.40 35.70	32.50 33.60 34.80 36.00 37.30	32.50 33.60 34.80 36.00 37.30	34.10 35.20 36.40 37.60 38.90	1.20 1.20 1.30 1.30 1.40
43 44 45 46 47	10.513 10.752	10.044 10.283 10.522	10.697 10.937 11.176 11.414 11.654	414 414 414 414 414	24.60 25.40 26.10 26.90 27.60	26.20 27.00 27.70 28.50 29.20	26.20 27.00 27.70 28.50 29.20	27.80 28.60 29.30 30.10 30.80	1.30 1.40 1.50 1.60 1.70	37.00 38.40 39.70 41.10 42.40	38.60 40.00 41.30 42.70 44.00	38.60 40.00 41.30 42.70 44.00	40.20 41.60 42.90 44.30 45.60	1.50 1.60 1.70 1.80 1.90
48 49 50	11.706	11.237	11.893 12.132 12.371	41/4 41/4 41/4	28.40 29.20 30.00	30.00 30.80 31.60	30.00 30.80 31.60	31.60 32.40 33.20	1.80 1.90 2.00	43.80 45.20 46.70	45.40 46.80 48.30	45.40 46.80 48.30	47.00 48.40 49.90	2.00 2.10 2.20

When ordering Type "C" Sprockets (with set screws) listed in the range of Type "B" it is necessary to provide extra hub length as indicated by tabled hub lengths for Type "C" wheels.

FOR NO. RC-F60 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$4.40 Per Foot

TYPE C STEEL AND CAST IRON

LIST BRICES AND DIMENSIONS

Chain—Page 47



						LIST P	RICES AN	D DIMENS	ONS		-			
Sundan-	ľ			Stand. Hub	L	ST PRICE	S-STEEL	SPROCKE	TS	LIS	T PRICES	CAST IF	ON SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length, Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/4" Hub Length
20 22 24 26 28	4.794 5.270 5.746 6.222 6.699	5.753	5.666 6.147 6.627	434 434 434						\$12.60 13.40 14.20 15.00 15.90	\$13.90 14.70 15.50 16.30 17.20	\$13.90 14.70 15.50 16.30 17.20	\$15.20 16.00 16.80 17.60 18.50	\$ 0.20 .20 .20 .20 .20 .20
30 32 34 36 38	7.175 7.652 8.129 8.605 9.082	6.706 7.183 7.660 8.137 8.613	9.023	434	For pric	18e prices	on oppos	el Sprocke ite page p a charges.	ts in this lus addi-	16.80 17.80 18.80 19.80 20.80	18.10 19.10 20.10 21.60 22.60	18.10 19.10 20.10 21.30 22.30	19.40 20.40 21.40 23.10 24.10	.20 .20 .20 .20 .20
40 42 44 46 48	10.990	9.567 10.044 10.522	10.458 10.937	4% 4% 4% 4% 4% 4%						21.80 22.80 23.80 24.80 25.80	23.60 24.60 25.60 26.60 27.60	23.30 24.30 25.30 26.30 27.30	25.10 26.10 27.10 28.10 29.10	.20 .20 .20 .25 .25
50 52 54 56 58	12.422 12.899 13.376	12.430	12.849	434 434 434 434 434	\$38.00 40.00 42.00 44.00	\$40.00 42.00 44.00 46.00	\$39.60 41.60 43.60 45.60	\$41.60 43.60 45.60 47.60	\$ 0.50 .50 .50	26.80 27.80 28.80 29.90 31.00	28.60 29.60 30.60 31.70 32.80	28.30 29.30 30.30 31.40 32.50	30.10 31.10 32.10 33.20 34.30	.25 .25 .25 .25 .25
60 62 64 66 68	14.808 15.285 15.762	14.816 15.293	14.761 15.239 15.716 16.195 16.673	434	46.00 48.00 50.00 52.00 54.00	48.00 50.20 52.20 54.20 56.20	47.60 49.60 51.60 53.60 55.60	49.60 51.80 53.80 55.80 57.80	.50 .50 .50 .50	32.10 33.20 34.30 35.40 36.50	33.90 35.30 36.40 37.50 38.60	33.60 34.70 35.80 36.90 38.00	35.40 36.80 37.90 39.00 40.10	.25 .25 .25 .25 .25
70 72 74 76 77	17.194 17.671 18.149	16.725 17.203 17.680	17.150 17.628 18.106 18.584 18.822	434	56.00 58.00 60.00 62.00 64.00	58.20 60.20 62.20 64.20 66.40	57.60 59.60 61.60 63.80 65.80	59.80 61.80 63.80 66.00 68.20	.50 .50 .50 .50	37.60 38.70 39.80 40.90 41.40	39.70 40.80 41.90 43.00 43.50	39.10 40.20 41.30 42.40 42.90	41.20 42.30 43.40 44.50 45.00	.25 .30 .30 .30 .30
78 80 82 84 86	19.103 19.581	18.635 19.112 19.589	19.061 19.539 20.017 20.495 20.972	434	66.00 68.00 71.00 74.00 77.00	68.40 70.40 73.60 76.60 79.80	67.80 69.80 72.80 75.80 78.80	70.20 72.20 75.40 78.40 81.60	.50 .60 .60 .60	45.00 46.20 47.40 48.60 49.80	47.10 48.30 49.50 50.70 51.90	46.50 47.70 48.90 50.10 51.30	48.60 49.80 51.00 52.20 53.40	.30 .30 .30 .30 .30
88 90 92 94 96	21.490	21.021 21.499 21.976	22.405	434	80.00 83.00 86.00 89.00 92.00	82.80 86.00 89.20 92.20 94.20	81.80 84.80 87.80 90.80 93.80	84.60 87.80 91.00 94.00 97.00	.60 .60 .60 .60	51.00 52.20 53.40 54.70 56.00	53.10 54.30 55.80 57.10 58.40	52.50 53.70 54.90 56.20 57.50	54.60 55.80 57.30 58.60 59.90	.30 .30 .30 .30 .35
98 100	23.400 23.877	22.931 23.408	23.837 24.315	5	95.00 98.00	98.20 101.20	96.80 99.80	100.00 103.00	.60 .60	57.30 58.60	59.70 61.00	58.80 60.10	61.20 62.50	.35

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sprockets with intermediate numbers of teeth, see page 54.

QUADRUPLE WIDTH SPROCKETS (MADE-TO-ORDER)

PITCH

LIST PRICE OF CHAIN \$7.48 Per Foot

TYPE B STEEL



				Stand. Hub	LIST P	RICES-N	OT HARD	ENED SPR	OCKETS	LIST	PRICES-	HARDEN	ED SPRO	CKETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Rach Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Eac Extra %" Hu Length
8 9 10 11 12	2.613 2.924 3.236 3.549 3.864	2.299 2.611 2.924	3.347 3.678 4.006	434 434 434 434 434	\$ 8.40 8.60 8.80 9.00 9.20	\$ 9.50 9.70 9.90 10.10 10.30	\$ 9.50 9.70 9.90 10.10 10.30	\$10.60 10.80 11.00 11.20 11.40	\$ 0.20 .20 .20 .20 .20 .20	\$11.40 11.70 12.00 12.30 12.60	\$12.50 12.80 13.10 13.40 13.70	\$12.50 12.80 13.10 13.40 13.70	\$13.60 13.90 14.20 14.50 14.80	\$ 0.30 .30 .30 .30 .30
13 14 15 16 17	5.126	3.869 4.185	4.982 5.305 5.627	434 434 5	9.60 10.00 10.60 11.40 12.30	10.70 11.10 11.70 12.70 13.60	10.70 11.10 11.70 12.70 13.60	11.80 12.20 12.80 14.00 14.90	.30 .30 .40 .40 .50	13.20 13.90 14.90 16.20 17.60	14.30 15.00 16.00 17.50 18.90	14.30 15.00 16.00 17.50 18.90	15.40 16.10 17.10 18.80 20.20	.40 .50 .60 .60
18 19 20 21 22	5.759 6.076 6.393 6.710 7.027	5.451 5.768 6.085	6.593 6.914 7.235	5	13.30 14.40 15.60 17.00 18.60	14.60 15.70 16.90 18.70 20.30	14.60 15.70 16.90 18.70 20.30	15.90 17.00 18.20 20.40 22.00	.50 .60 .60 .60 .70	19.20 20.90 22.70 24.60 26.80	20.50 22.20 24.00 26.30 28.50	20.50 22.20 24.00 26.30 28.50	21.80 23.50 25.30 28.00 30.20	.60 .70 .70 .80
23 24 25 26 27	7.344 7.661 7.979 8.296 8.614	7.036 7.354 7.671	8.196 8.516	5 51/4 51/4	20.00 21.40 22.80 24.20 25.60	21.70 23.10 24.50 25.90 27.30	21.70 23.10 24.50 25.90 27.30	23.40 24.80 26.20 27.60 29.00	.70 .80 .80 .90 1.00	28.80 30.80 32.80 34.90 37.00	30.50 32.50 34.50 36.60 38.70	30.50 32.50 34.50 36.60 38.70	32.20 34.20 36.20 38.30 40.40	.90 1.00 1.00 1.10 1.30
28 29 30 31 32	8.932 9.249 9.567 9.885 10.202	8.624 8.942 9.260	9.475 9.795 10.114 10.434 10.753	514 514 514	27.00 28.40 29.80 31.20 32.60	28.70 30.10 31.50 33.20 34.60	28.70 30.10 31.50 33.20 34.60	30.40 31.80 33.20 35.20 36.60	1.10 1.20 1.30 1.40 1.50	39.10 41.20 43.30 45.50 47.70	40.80 42.90 45.00 47.50 49.70	40.80 42.90 45.00 47.50 49.70	42.50 44.60 46.70 49.50 51.70	1.40 1.50 1.60 1.70 1.80
33 34 35 36 37	10.838 11.156 11.474	10.213 10.531 10.849	11.072 11.392 11.711 12.030 12.349	514 514 514	34.00 35.50 37.00 38.50 40.00	36.00 37.50 39.00 40.50 42.00	36.00 37.50 39.00 40.50 42.00	38.00 39.50 41.00 42.50 44.00	1.60 1.70 1.80 1.90 2.00	49.90 52.30 54.70 57.20 59.70	51.90 54.30 56.70 59.20 61.70	51.90 54.30 56.70 59.20 61.70	53.90 56.30 58.70 61.20 63.70	1.90 2.00 2.10 2.20 2.30

as indicated by tabled hub lengths for Type "C" wheels.



Driving, Lifting and Steering Mechanisms of this lumber-carrier are Silverlink equipped.



Rotary Retort Carburizer driven by Roller Chain Drive and Link-Belt P.I.V. Variable Speed Transmission.

FOR NO. RC-F80 Silverlink ROLLER CHAIN

LIST PRICE OF CHAIN \$7.48 Per Foot

TYPE C STEEL AND CAST IRON LIST PRICES AND DIMENSIONS

_		_		Stand.	L	IST PRICE	S-STEEL		·	LIST	PRICES-	CAST IR	ON SPROC	KETS
Number of Teeth	Pitch Diam., Inches	Root Diam., Inches	Outside Diam., Inches	Hub Length Through Bore, Inches	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length
20 22 24 26 28	6.393 7.027 7.661 8.296 8.932	5.768 6.402 7.036 7.671 8.307	8.836	514 514 514 514 514	For pri	ing Type	"C" Star	al Samaka	ite in this	\$19.20 20.40 21.60 22.90 24.20	\$20.80 22.00 23.20 24.50 25.80	\$20.70 21.90 23.10 24.40 25.70	\$22.30 23.50 24.70 26.00 27.30	\$ 0.25 .25 .25 .25 .25 .25
30 32 34 36 38		9.577 10.213 10.849	10.114 10.753 11.392 12.030 12.668	534 534 534 534 534	block, t	ise prices	on oppos	ite page p	olus addi-	25.80 27.60 29.40 31.20 33.10	27.40 29.20 31.00 33.30 35.20	27.30 29.10 30.90 32.70 34.60	28.90 30.70 32.50 34.80 36.70	.25 .25 .25 .30 .30
40 42 44 46 48	13.382 14.018	12.757 13.393 14.029	14.582	5% 5% 5% 5%	\$52.00 54.00 56.00 58.00	\$54.20 56.20 58.40 60.40	\$53.60 55.60 57.60 59.60	\$55.80 57.80 60.00 62.00	\$ 0.60 .60 .60	35.00 36.90 38.80 40.80 42.80	37.10 39.00 40.90 42.90 44.90	36.50 38.40 40.30 42.30 44.30	38.60 40.50 42.40 44.40 46.40	.30 .30 .30 .30 .30
56	16.562 17.198 17.835	15.937 16.573 17.210	16.495 17.132 17.769 18.406 18.725	5% 5% 5% 5%	60.00 62.00 64.00 66.00 68.00	62.40 64.40 66.40 68.40 70.40	61.60 63.60 65.60 67.60 69.60	64.00 66.00 68.00 70.00 72.00	.60 .60 .60 .60	44.80 46.80 48.80 50.80 51.80	46.90 49.20 51.20 53.20 54.20	46.30 48.30 50.30 52.30 53.30	48.40 50.70 52.70 54.70 55.70	.30 .30 .30 .35 .35
58 60 62 64 66	18.471 19.107 19.744 20.380 21.016	18.482 19.119 19.755	19.681 20.318 20.955	5¾ 5¾ 5¾ 6	70.00 72.00 74.50 77.00 80.40	72.40 74.40 76.90 79.40 83.60	71.60 73.60 76.10 78.60 82.00	74.00 76.00 78.50 81.00 85.20	.60 .60 .60 .60	55.30 57.30 59.30 61.30 63.30	57.70 59.70 61.70 63.70 66.50	56.80 58.80 60.80 62.80 64.80	59.20 61.20 63.20 65.20 68.00	.35 .35 .35 .35 .35
70	22.289 22.926 23.562	21.664 22.301 22.937	23.504	6 6 6 6	83.20 86.00 89.00 92.00 95.00	86.40 89.20 92.20 95.20 98.20	85.00 87.80 90.80 93.80 96.80	88.20 91.00 94.00 97.00 100.00	.70 .70 .70 .70	65.40 67.50 69.60 71.70 73.80	68.60 70.70 72.80 74.90 77.00	66.90 69.00 71.10 73.20 75.30	70.10 72.20 74.30 76.40 78.50	.35 .35 .35 .35 .35
78 80 82 84 86	25.471 26.108 26.744	24 . 846 25 . 483 26 . 119	25.415 26.052 26.689 27.326 27.962	6 6 6 6 6 6 6 6 7 8	98.00 101.00 104.00 107.00 110.00	101.20 104.20 108.00 111.00 114.00	99.80 102.80 105.80 108.80 111.80	103.00 106.00 109.80 112.80 115.80	.70 .70 .80 .80	75.90 78.00 80.20 82.40 84.60	79.10 81.20 83.90 86.10 88.30	77.40 79.50 81.70 83.90 86.10	80.60 82.70 85.40 87.60 89.80	.35 .35 .40 .40 .40
88 90 92 94 96	28.654 29.290 29.926	28.029 28.665 29.301	28.599 29.236 29.873 30.510 31.146	61/2 61/2 61/2 61/2	113.00 116.00 119.00 122.00 125.00	117.00 120.00 123.00 126.00 129.50	114.80 117.80 120.80 123.80 126.80	118.80 121.80 124.80 127.80 130.80	.80 .80 .80 .80	86.80 89.00 91.20 93.40 95.60	90.50 92.70 94.90 97.10 99.80	88.30 90.50 92.70 94.90 97.10	92.00 94.20 96.40 98.60 101.30	.40 .40 .40 .40 .40
98 100	31.199 31.836	30.574 31.211	31.783 32.420	6½ 6½	128.00 131.00	132.50 135.50	129.80 132.80	133.80 136.80	80 80	97.80 100.00	102.00 104.20	99.30 101.50	103.50 105.70	.40 .40

Sprockets with intermediate numbers of teeth are priced proportionately between listed sizes. For diameters of Sprockets with intermediate numbers of teeth, see page 55.



SOLVING YOUR

Power Transmission

PROBLEMS

When you come to Link-Belt with your power transmission problems, you work with an organization that manufactures entirely in its own shops not only the most complete line of positive drives, but a modern and complete line of power transmission units.

You deal with one group—specialists who have grown up in the solving of power transmission problems of every character—with a company whose sole aim is the correct engineering solution of each problem without prejudice for any one type of equipment.

Profit by our years of practical experience, in combining the new with the tried-and-proved—serving industry the world over.

The Link-Belt line of Power Transmission Equipment not only includes Silverlink Roller Chain Drives covered on the preceding pages, but also Silverstreak Silent Chain Drives, the Herringbone Gera Reducers, Worm Gear Reducers, Helical Gear Reducers, P.I.V. Gear and V.R.D. variable Speed Transmissions as well as a complete line of mechanical transmission accessories, including self-aligning Friction Fighter ball and roller bearings, babbitted bearings, flexible and rigid couplings, safety collars, sprockets, base plates, shafting, clutches, take-ups, pulleys, gears, hangers and all types of malleable, Promal and steel chains.

SEE PAGES 175 to 185

Send for Catalogs



LINK-BELT Silverlink

ROLLER CONVEYOR PROMOTE





Modern Dairies—Modern Methods—bottles filled and capped while moving on Universal Carrier and Flat-Top Chains.

In Storing, Assembling PROCESSED, PACKAGED OR

The dependable transportation of articles through preparationfor-marketing processes is one item that modern industry cannot afford to overlook in its desire to produce more and better goods at lower cost.

Link-Belt Silverlink Conveyor Chains, with various types of attachments, are today furnishing such transportation for thousands of different articles in all types of industries.

All Link-Belt chains are uniform in pitch, so essential to



Plumbing fixture parts automatically plated on the machine equipped with Silverlink roller chain for controlling the amount of time parts remain in plating tanks.



All types of bottles, jars and cans can be handled on Flat-Top Conveyor Chains, Various widths of top plates are available. See pages 148-149.

CHAINS HANDLING EFFICIENCY

or Distributing BULK MATERIALS

Handling cores for shells on Universal Carrier Chain—the chain which makes vertical o

smoothness when two or more strands are operating parallel to each other for conveyor service. This uniformity, as well as the high tensile strength and wear-resistance built into these chains, is maintained throughout their long useful life.

If none of the types shown on the following pages will handle your conveying job, submit your problem to our Engineering Department for a solution by materials handling specialists who have a wealth of information gained from experiences over many years.



Six Strand Flat-Top Conveyor Chain on 40,000-lb. capacity gas-electric truck handling strip steel in steel mill.



Steel cross rods attached at intervals to a double strand of roller chain carry paint-sprayed panels under battery of infra-red lamps for quick drying.

Silverlink CONVEYOR CHAINS-WILL SIMPLIFY





Universal Carrier chain in combination with Flat-Top Conveyor Chain for smooth movement of bottled whiskey.

YOUR HANDLING PROBLEMS





rum Festoon Dryer using Silverlink Conveyor Cheins.



Tobacco processing machine using roller chain with special attachments for moving hogsheeds of tobacco into and out of cylinder (vacuum chamber). Power is transmitted to the machine through a Link-Bell* motorized reducer with Silverlink roller chain drive to conveyor head sheft.

*For Motorized Reducers, see Page 177.



IN EVERY INDUSTRY-STEPPING-UP PRODUCTI



ON WITH Silverlink CONVEYOR CHAINS

Conveyor equipped with Flat-Top Chain carrying glass joss of peanut butter from filling machine to capper.





Electric master control device for felt base rug printing machine. The metal conveyor belt uses two strands of Silverlink chain.



Flat-Top Conveyor Chain on automatic rotary vacuum filling machine.



Loop Chain conveyor on special metal processing machin



Double strend extended pitch conveyor chain with rods spaced at intervals, handling skins through dryer in tannery.

Silverlink CONVEYOR CHAINS

Silverlink Conveyor Chains like Silverlink Roller Drive Chains, are constructed entirely of steel, and accurately finished. In keeping with modern machinery design, Silverlink Conveyor Chains are modern in appearance and performance. Precision manufactured throughout provides smoothness of operation and durable construction assures long and economical service. Light weight of the chain means minimum power requirements and wear.

EXTENDED PITCH

Extended pitch chains are furnished in pitches 1" to 3" with either relieved or straight side bars and with standard or large diameter rollers. Dimensions and list prices on pages 133-137.

FLAT-TOP

An ideal chain for handling bottles, jars and cans through cleaning, filling, capping and labeling operations. For these applications the chain, through its freedom of articulation, prevents "humping" as the chain links remain at uniform height, so that when progress of containers is halted, continued chain travel will not disarrange them. Made in 1¼" pitch with three styles of top plates. See pages 148-149.

EXTENDED DIN TYPE

This type of chain is extensively used for timing and conveying purposes. It is a most convenient and economical arrangement for mounting tubing or special flights between two parallel chains. Available for standard and extended pitch chains, see page 151.

UNIVERSAL CARRIER

The flexible adaptability of this chain with its ease of installation and operation in confined places has

For such low speeds, usually under 100 feet per

made it a great favorite for bottling and canning operations. The chain permits sprocket engagement in two planes. This feature makes it practical to use this chain, in rectangular, semi-circular or irregular paths, or employ one long conveyor, if desired, instead of using several transfer conveyors with individual driving mechanisms. See pages 152-155.

HORIZONTAL PLANE BEND The horizontal plane bend chain operates over sprockets mounted on vertical shafts and is used for

carrying bottles and many types of containers or materials through filling, closing and capping operations in bottling and canning industries, and for long conveyors where heavy working loads are encountered. Made in various widths of top plates. Complete information is given on pages 156-158.

STANDARD PITCH

These chains are available in 3/8" to 2" pitch in plain chain and attachments. See pages 159-161.

STAINLESS STEEL AND BRONZE

Stainless steel and bronze chains are used for applications where corrosive forces or high temperatures are encountered, thus forestalling the action of acids, gas fumes and vapors, alkalis, steam, water, etc. A complete line of Stainless Steel and Bronze Chains for power transmission and conveyor service are available. See pages 162-167.

SPECIAL ATTACHMENTS

On pages 168 to 170 are illustrated special attachments which have been made up for conditions where our standard attachments would not meet requirements. These special attachments are not available in all pitches, and before selection is made we advise you to consult our nearest sales office.

INFORMATION REGARDING OPERATION AND CARE OF CONVEYOR CHAINS

LUBRICATION

Since conveyor chains are usually operated in the open, lubrication depends on whether or not abrasive substances are present. If a lubricant is used, abrasive particles tend to adhere to the chain surfaces, with the lubricant acting as a lapping compound.

Where large volumes of lint and non-abrasive dust are present, some form of brush or wiper can be used to clean the chain and means provided for applying new lubricant, since the lint and dust will actually soak up the lubricant from the chain joints by capillary attraction. Such an arrangement can be made to operate

Chains operating in generally clean atmosphere can be lubricated by wick or drop feed oiler or by periodically brushing the chain with lubricant.

Always use a good grade of mineral oil with a viscosity that will allow penetration of the chain joints and yet adhere to the chain under the particular temperature and speed characteristic to the conveyor chain. Any reputable oil company is prepared to furnish such an oil and will be glad to assist you in the matter of lubrication.

relatively slow speed operation.

Silverlink Roller Conveyor Chains are designed for

minute, chain joint wear is negligible when loads are uniform and proper lubrication is provided, and chains may be selected by using the following table to figure safe working loads: Divide Ultimate Strength by

00 to 300 F.P.M. 00 to 200 F.P.M. Jnder 100 F.P.M.	10
Under 100 F.P.M.	7

Conveyor chains should be kept clean, and sprockets should be maintained in proper alignment at all times to assure the best service.

SPROCKETS

It is desirable to use sprockets with as large a number of teeth as possible, as they afford smoother operation and keep chain wear to minimum.

132 LINK-RELT

EXTENDED PITCH Silverlink ROLLER CONVEYOR CHAINS

MANUFACTURERS' (A.S.A.) STANDARD SIZES

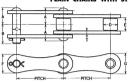
11/2 Inch Pitch No. RC-1260

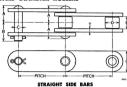
1½ Inch Pitch

21/2 Inch Pitch No. RC-1265
No. RC-2010
Also available in 1", 11/4", 2" and 3" pitches with standard and large diameter rollers

2½ Inch Pitch No. RC-2015

PLAIN CHAINS WITH STANDARD DIAMETER ROLLERS

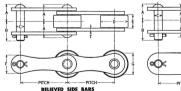


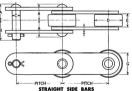


RELIEVED SIDE BARS

					LIST I	PRICES,	DIMENSI	ONS AN	D WEI	GHTS						
				List Pric			Aver-		1	1		R	oller			
Link-Belt Chain Number	Pitch	Plain (Chain, Foot	Con- necting	Parts	Offset	ultim. Strength,	Weight, per Foot		В	С	Diam.	Width	F	G	т
		Riveted Type	Cotter Type	Links,	Links,	Links,	Pounds									
†*RC-840	1	\$0.55			\$0.10	\$0.22	3,300	.34	.314	.392	.156	.312	3/6		.452	.060
†‡RC-1050	11/4	.60		.10	.10	.22	6,100	.44	.398	.434	.200	.400	34	.475	.545	.080
‡RC-1260	11/2		\$0.90	.12	.12	.38	8,500	.79	.552	.637	.234	15/2	1/2	.600	.710	.125
TRC-1680	2	1.40	1.40	.22	.25	.56	14,500	1.25	.678	.803	.312	15/2 5/8	3%	.750	.906	.156
*RC-2010	21/2	1.80	1.80	.34	.38	.80	24,000	2.37	.817	.945	.375	34	34	11/4		.187
*RC-2412	3	2.20	2.20	.48	.56	.96	34,000	3.41	1.003	1.178	.4375	3%	1	13%		.218
*Chain wit	h straight	side bara	. tRi	veted Ty	ne only.	1Car	also be fu	rnished s	with atra	ight side	bers.					

PLAIN CHAINS WITH LARGE DIAMETER ROLLERS



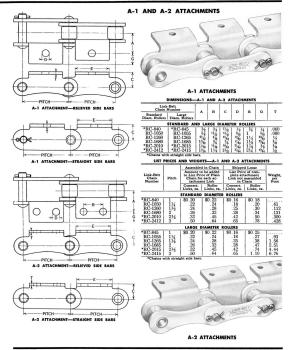


LIEVED SIDE BARS STRAIGHT SIDE BARS

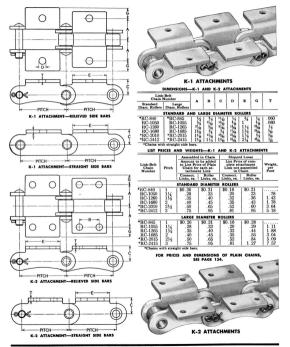
					rist	PRICES,	DIMENSI	JNS AF	4D WEI	GHIS						
Link-Belt		- m		List Prio	Parts		Aver-	Weight.				Ro	ller			
Chain Number	Pitch	Plain Chain, per Foot		Con- necting	n- Roller Offs		Ultim. Strength.	per Foot	A	В	С	Diam.	Width	F	a	T
		Riveted Type	Cotter	Links,	Links,	Links,	Pounds									
†*RC-845	1	\$0.95		\$0.10		\$0.26	3,300	.50	.314	.392	.156	56	3/16		.452	.060
††RC-1055	11/4	1.00		.10		.28	6,100	.76	.398	.434	.200	3/4	3%	.475	.545	.080
fRC-1265	13/2		\$1.30	.12	. 20	.45	8,500	1.24	.552	.637	.234	1/8	1/2	.600	.710	.125
tRC-1685	2	1.80	1.80	.22	.38	.66	14,500	1.98	.678	.803	.312	11/8	5/8	.750	.906	.156
*RC-2015	21/2	2.30	2.30	.34	.62	.94	24,000	3.84	.817	.945	.375	1%	34		11/8	.187
*RC-2415	3	2.70	2.70	.48	.88	1.16	34,000	5.89	1.003	1.178	.4375	134	1		13%	.218
*Chain wit	h erraight	side hers	+120	veted Ty	me only.	†Car	also he fu	rnished:	with stra	ight side	here.					_

SPROCKETS ARE LISTED ON PAGES 138-147.

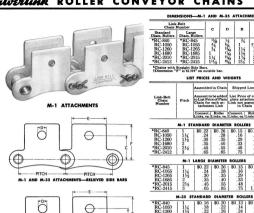
ROLLER CONVEYOR CHAINS



EXTENDED PITCH . . . (K-1, K-2, M-1, AND M-35 ATTACHMENTS)



Silverlink ROLLER CONVEYOR CHAINS



M-1 AND M-35 ATTACHMENTS—RELIEVED SIDE BARS
M-1 AND M-35 ATTACHMENTS—STRAIGHT SIDE BARS

M-1 ATTACHMENT	M-35 ATTACHMENT
OR BRICES AND DIMENSE	ONE OF MAIN CHAINE

SEE PAGE 134.



		I PRICES AND W	Lionia	
		Assembled in Chain	Shipped Loose	
Link-Belt Chain Number	Pitch	to List Price of Plain	List Price of com- plete attachment Link not assembled in Chain	Weight, per foot
		Connect. Roller	Connect. Roller	

*RC-840	1	\$0.22	\$0.26	\$0.15	\$0.17	
RC-1050	11/4	.24	.28	.16	.19	. 78
RC-1260	13/2	.30	.35	.29	.34	1.42
RC-1680	2	.35	.40		.38	1.78
*RC-2010	21/2	.45	.55	.48	.56	3.64
*RC-2412	3	.65	.85	.75	.88	5.18

*RC-845	1	\$0.22	\$0.26	\$0.15	\$0.24	
RC-1055	11/4	.24	.28	.16	.26	1.11
RC-1265	13/2	.30	.35	.29	.42	1.88
RC-1685	2	.35	.40	.33	.51	3.04
*RC-2015	21/2	.45	. 55	.48	.80	5.09
*RC-2415	3	. 65	.85	.75	1.20	7.57

*RC-840	1	\$0.16	\$0.20	\$0.13	\$0.15	
RC-1050	11/4	.18	.22	.14	.17	. 61
RC-1260	136	.22	.26	.24	.29	1.12
RC-1680	2	. 24	.30	.27	.33	1.31
*RC-2010	21/2	.30	.40	.39	.48	3.00
*RC-2412	3	.45	.65	.62	.75	4.28
	M-35	LARGE D	DIAMETER	ROLLER		

*RC-845	1 1	\$0.16	\$0.20	\$0.13	\$0.22	
RC-1055	134	.18	.22	.14	.24	.93
RC-1265	13/2	.22	.26	.24	.37	1.50
RC-1685	2	.24	.30	.27	.46	2.5
*RC-2015	21/2	.30	.40	.39	.72	4.4
*RC-2415	3	.45	.65	.62	1.07	6.7

*Chains with Straight Side Bars.



SINGLE WIDTH SPROCKETS (MADE-TO-ORDER)



TYPE R

SPROCKETS FOR CHAINS WITH STANDARD DIAMETER ROLLERS

Sprockets for chains with standard diameter rollers have effective number of teeth as listed in the tables. The actual number of setch is slived the number listed. The chain engages one half the teeth as shown and on lent of a new wheel can be had by advancing the sprocket one tooth after a period of time. On sprockets having an odd number of teeth the chain engages each that the chain control of the control

SPROCKETS FOR CHAINS WITH

The sprockets for chains with large diameter rollers

1 INCH PITCH—TYPE B STEEL SPROCKETS FOR NOS. RC-840 AND RC-845 CHAINS

						LIS	T PRICE	S AND	DIMEN	SIONS						
1	1	No. F	C-840	No. R	C-845	Standard		List Pri	ces—Not	Hardened S	teel		List Price	s-Hard	lened Ste	el
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub Length Through Bore	Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Ea. Extra %" Hub Length
6 6 6 1 4 7 7 1 4 8 8 1 4 9 9 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.102 2.152 2.483 2.2768 2.2768 3.382 2.2768 3.382 3.392 3.392 4.021 4.494 4.4682 4.494 4.4682 6.076 6	1.840 1.840 2.146 2.301 2.146 2.612 2.612 2.612 2.924 3.080 3.357 3.394 4.182 4.498 4.656 4.497 5.576 5.764 6.629 6.629 6.629 6.629 6.629 6.6715	2.320 2.490 2.640 2.810 3.140 3.290 3.460 3.780 3.610 4.100 4.260 4.580 4.740 4.580 4.740 4.506	1 988 2 299 2 611 2 924 3 239 3 554 3 869 4 185 4 501 4 817 5 134 5 451 5 768 6 085	3.010 3.350 3.680 4.010 4.330 4.660 5.310 5.630 5.950 6.270 6.590 7.240	111111111111111111111111111111111111111	\$4.25 4.25 4.30 4.30 4.50 4.50 4.80 5.10 5.10 5.10 5.10 5.10 5.10 6.00 6.00 6.00 6.00 7.10 7.70 7.70 8.10 8.30 8.30 8.30 8.30 8.30 8.30 8.30 8.3	\$5.05 5.05 5.15 5.10 5.10 5.10 5.10 5.10 5.10 5.10 5.10 5.10 5.10 5.10 5.10 5.10 5.10 6.10	\$5.06 5.10 5.15 5.10 5.15 5.30 5.40 6.05 5.90 6.05	\$ 55.56.600 66.600 66.850 66.850 66.850 95.000 10.0	\$ 0.10 1100 1100 1100 1100 1100 1100 1200 200	86.05 6.05 6.65 6.40 6.69 6.70 6.80 6.90 7.70 7.10 7.10 7.10 7.10 8.10 9.35 9.85 9.85 9.85 9.85 9.85 9.85 9.85 9.8	\$6.85 6.85 6.90 7.10 7.40 7.70 7.70 7.75 7.75 7.75 7.75 7.75 7.7			\$0.20 220 220 220 220 220 220 220 220 220

FOR EXTENDED PITCH ROLLER CONVEYOR CHAINS

1 INCH PITCH—TYPE B STEEL SPROCKETS FOR NOS. RC-840 AND RC-845 CHAINS
Roller Diameter—RC-840 = .312"; Rc-845 = .625"
LEST PRICES AND DIMENSIONS—CONTINUED

		No. F	C-840	No. F	C-845	Standard		List Pri	ces Not	Hardened S	iteel		ist Price	-Hard	ened Ste	el
Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub Length Through Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra ½" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length
32	7.344 7.502 7.661 7.820 7.979 8.137 8.296 8.454 8.772 8.932 9.090 9.249 9.249 9.249 9.725 9.725 9.885 10.043 10.202 10.361	8.302 8.460 8.620 8.778 8.937 9.096 9.255 9.413 9.573 9.731 9.890	7.770 7.930 8.090 8.250 8.250 8.570 8.730 8.890 9.040 9.200 9.360 9.520 9.680 10.000 10.160 10.320 10.320	7.036 7.354 7.671 7.989 8.307 8.624 8.942 9.260	8.200 8.520 8.840 9.160		\$ 8.70 8.90 9.10 9.30 9.50 9.70 9.90 10.10 10.50 10.70 11.10 11.50 11.70 11.70 11.20 12.20	\$ 9.50 9.70 9.90 10.10 10.50 10.50 11.50 11.50 11.70 12.10 12.30 12.50 12.70	\$ 9.50 9.70 9.90 10.10 10.50 10.70 10.90 11.10 11.50 11.70 11.90 12.10 12.30 12.75 13.25	\$10.30	\$0.70 .75 .85 .90 1.00 1.15 1.20 1.25 1.35 1.45 1.55		\$12.15 12.40 12.65 12.90 13.15 13.40 13.65 13.90 14.15 14.40 14.65 14.90 15.15	\$12.15 12.40	\$12.95 13.20 13.45 13.70 13.95 14.20 14.45 14.70 14.95 15.20 15.45 15.75	\$0.85 .85 .90
33½ 34 34½ 35 35½ 36 36½ 37	10.679 10.838 10.996 11.156	10.367 10.526 10.684 10.844 11.003 11.162 11.320 11.480	11 120 11 270 11 430 11 590 11 750 11 910 12 070	10.213 10.531 10.849	11.390 11.710 12.030 12.350	11/4	12.95 13.20 13.45 13.70 13.95 14.20 14.45 14.70 14.95	15.50 15.75	14.00 14.25 14.50 14.75 15.00 15.25 15.50	14.55 14.80 15.05 15.30 15.55 15.80 16.05 16.30 16.80	1.60 1.65 1.70 1.75 1.80 1.85 1.90 1.90	16.60 16.90 17.20 17.50 17.80 18.10 18.40 18.70 19.00 19.30	17.40 17.70 18.00 18.30 18.60 18.90 19.20 19.50 19.80 20.10	19.80	19.10 19.40 19.70 20.00 20.30 20.60	1.95 2.00 2.05 2.10 2.10 2.10

1 INCH PITCH—TYPE C STEEL AND CAST IRON SPROCKETS FOR NOS. RC-840 AND RC-845 CHAINS Roler Plometer—8C-840 = .112", 85-645 = .623"

		No. F	C-840	No. F	C-845	Standard		List Pri	ces—No	Hardened S	iteel		List Prices—Cast Iron				
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub Length Through Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/4" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Ea Extra %"Hul Length	
15 15½ 16 16½ 17½ 18½ 19½ 20 20½ 21½ 21½ 22½ 23½ 24½ 24½ 24½ 25 26½ 27½	4.810 4.968 5.126 5.284 5.492 5.759 5.917 6.076 6.233 6.393 6.710 6.868 7.7502 7.661 7.820 7.979 8.137 8.455 8.614	8.302	5.220 5.380 5.540 5.700 6.020 6.170 6.320 6.490 6.650 6.810 6.650 7.130 7.290 7.450 7.450 8.090 8.250 8.570 8.730	4.817 5.134 5.451 5.768 6.085 6.402 6.719 7.036 7.354 7.671	5.630 5.950 6.270 6.590 7.240 7.560 7.880 8.200 8.520 8.840		this b	lock, u	e price	" Steel Sp s in precessets, plus charges.	ling table	\$5.40 5.55 5.50 5.56 5.75 5.85 5.90 6.05 6.20 6.30 6.40 6.40 6.45 6.60	\$6.30 6.45 6.45 6.55 6.65 6.65 6.75 6.80 6.95 7.20 7.25 7.30 7.30 7.35 7.40 7.40 7.50 7.50	\$6.30 6.40 6.45 6.50 6.65 6.65 6.70 6.75 6.80 6.85 6.90 7.10 7.25 7.30 7.30 7.35 7.45 7.50 7.50 7.50	\$7,20 7,30 7,40 7,45 7,55 7,60 7,55 7,60 7,75 7,85 7,85 7,90 8,10 8,20 8,20 8,20 8,38 8,38 8,40 8,40 8,40 8,40 8,40 8,40 8,40 8,4	11 11 11 11 11 11 11 11 11 11 11 11 11	

For Types of Sprockets, see page 138.

For No. RC-840 Chain the effective number of teeth are those listed. The actual number of teeth is twice the number listed. For No. RC-845 Chain the effective number of teeth are those listed for illustrations name 138.

SINGLE WIDTH SPROCKETS (MADE-TO-ORDER)

1 INCH PITCH—TYPE C STEEL AND CAST IRON SPROCKETS FOR NOS. RC-840 AND RC-845 CHAINS Roller Digmeter—RC-840 = .312": RC-845 = .625"

11/4 INCH PITCH-TYPE B STEEL SPROCKETS FOR NOS. RC-1050 AND RC-1055 CHAINS

	Roller Diameter—RC-1050 ≡ .400") RC-1055 ≡ ¾"															
*Number of Teeth	Pitch Diam.	No. RC-1050		No. RC-1055		Standard	List Prices-Not Hardened Steel					List Prices—Hardened Steel				
		Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub Length Through Bore	With	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Rach Extra 14" Hub Length
- 6	2.500	2.100			2.920	1	\$ 4.70				\$ 0.10	\$ 6.70			\$ 8.30	
61/2	2.690	2,290	2.900			1	4.80	5.60	5.60	6.40	.10	6.80	7.60		8.40	.20
7	2.881	2.481	3.110	2.131	3.350	1	4.90	5.70	5.70	6.50	.10	6.90	7.70	7.70	8.50	.20
73/2	3.073					1	5.00	5.80	5.80		.10	7.00	7.80	7.80	8.60	.20
8	3.266	2.866	3.520	2.516	3.770	1	5.10	5.90	5.90	6.70	.10	7.10	7.90	7.90	8.70	.20
81/2	3 460	3.060	3.710			1	5.20	6.00	6.00	6.80	.20	7.20	8.00	8.00	8.80	.35
9 *	3.655	3.255	3.920	2.905	4.180	ī	5.40	6.20	6.20	7.00	.20	7.30	8.10	8.10	8.90	.35
91/2	3.850	3 450	4.120			1	5.60	6.40	6.40	7.20	.20	7.40	8.20	8.20	9.00	.35
10	4.045			3.295	4.600	11/6	5.80	6.60	6.60	7.40	.20	7.60	8.40	8.40	9.20	.35
101/2	4.241				1	11%	6.00	6.80	6.80		.20	7.80	8.60	8.60	9.40	.35
11	4 437		4 720	3 687	5 010	112	6 20	7 00	7.00	7.80	20	8 10		8 90	9 70	35

FOR EXTENDED PITCH ROLLER CONVEYOR CHAINS

1 1/4 INCH PITCH—TYPE B STEEL SPROCKETS FOR NOS. RC-1050 AND RC-1055 CHAINS
Roller Diameter—Rc-1050 = .400"; RC-1055 = 9,"
RC-1055 = 9,"

-		No. R	C-1050	No. R	C-1055			List Pri	ces—No	Hardened S	iteel	I I	ist Price	-Hard	ened Ste	el
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Standard Hub Length Through Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For each Extra 1/4" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/2 Hub Length
111/2	4.633	4.233	4.920		- 2 - 100	11/4	\$ 6.40			\$ 8.00 8.20	\$0.20	\$ 8.40 8.70		\$ 9.20		\$0.35
12 121/2	4.830 5.026	4.430		4.080		11%	6.60	7.40	7.40	8.40	.30	9.00	9.80	9.50	10.60	.45
13	5.223	4.823	5.520	4.473	5.820	11%	7.00	7.80	7.80	8.60	.30	9.30	10.10	10 10	10.90	.45
131/2	5.420	5.020		4.473	3.620	13%	7.20	8.00	8.00	8.80	.30	9.60	10.40	10.40	11.20	.45
14	5.617	5.217	5.920	4.867	6.230	11%	7.40	8.20	8.20	9.00	.40	9.90	10.70	10.70	11.50	.55
141/2	5.815	5.415	6.120			11/4	7.60	8.40	8.40	9.20	.40	10.20	11.00	11.00	11.80	.55
15	6.012	5.612	6.320	5.262	6.630	11/8	7.80	8.60	8.60	9.40	.50	10.50	11.30	11.30	12.10	.65
151/2	6.210	5.810				11/4	8.00	8.80	8.80	9.60	.50	10.80		11.60	12.40	.65
16	6.407	6.007		5.657	7.030	11/8	8.30	9.10	9.10	9.90	.60	11.10	11.90	11.90	12.70	.65
161/2	6.605	6.205	6.920			11/8	8.60	9.40	9.40	10.20	.60	11.40	12.20	12.20	13.00	.65
17	6.803		7.120	6.053	7.440	11/6	8.90	9.70	9.70	10.50	.60	11.70	12.50	12.50	13.30	.75
171/2	7.001	6.601	7.320	· 6 · 446	7.840	11/2	9.20	10.00	10.00	10.80 11.10	.60	12.00	12.80	12.80	13.60	.75
18 181/6	7.396					11/8	9.50	10.30	10.60	11.40	.70	12.60		13.40	14 20	.85
19	7.595	7.195		6 845	8.240	11%	10 10	10.90	10.90	11.70	.80	13.00	13.80	13.80	14.60	.95
191/2	7.792	7.392	8.120	0.010	0.010	11%	10.40	11.25	11.25	12.10	.80	13.40			15.10	.95
20	7.991	7.591	8.320	7.241		13%	10.70	11.60	11.60	12.50	.90	13.80	14.70	14.70	15.60	1.05
21	8.387	7.987	8.720	7.637			11.10	12.00	12.00	12.90	1.00	14.40		15.30	16.20	1.20
22	8.783	8.383		8.033		13/8	11.50	12.40	12.40	13.30	1.10	15.20	16.10	16.10		1.30
23 24	9.180	8.780		8.430		13%	11.90	12.80	12.80	13.70	1.20	16.00	16.90	16.90		1.40
24	9.577	9.177		8.827	10.250	13%	12.30	13.20	13.20	14.10	1.30	16.80	17.70	17.70	18.60	1.50
25	9.973		10.310		10.640	13%	13.70	14.60	14.60	15.50	1.40	17.60	18.50	18.50	19.40	1.60
26 27	10.370	9.970			11.050	13%	14.40	15.30	15.30	16.20 16.90	1.50	18.50 19.40		19.40	20.30	
28	11 164			10.017		13%	15.10 15.80	16.70		17.60	1.70	20.50	20.30	21.40	22.30	1.80
29	11 561	11 161	11.900		12.240	13%	16.50	17 40	17.40	18.30	1.80	21.50	22.40	22.40	23.30	1.90
30	11.958	11 558	12 300	11 208	12.640	136	17.20	18.10		19.00	1.90	22.50	23.40	23.40		2.00
301/2	12, 157					18%	17.90				2.00	23.50				

1 1/4 INCH PITCH—TYPE C STEEL AND CAST IRON SPROCKETS FOR NOS. RC-1050 AND RC-1055 CHAINS

	Roler—RC-1050 AND RC-1055 = %"															
			C-1050		C-1055	Diamete	r-RC-			RC-1055				ices—Ca		
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Standard Hub Length Through Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Bach Extra ½" Hub Length	With Plain Bore	With One Key Seat	With	With Key Seat and Set Screw	For Each Extra 14" Hub Length
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	11.164 11.561	6.007 6.403 6.798 7.195 7.591 7.987 8.383 8.780 9.177 9.573 9.970 10.367 11.161	5.920 6.320 6.720 7.120 7.520 8.320 8.720 9.110 9.510	4.867 5.262 5.653 6.053 6.448 6.843 7.241 7.633 8.033 8.430 9.223 9.620 10.013 10.414 10.81	6.230 6.630 7.030 7.440 8.240 8.640 9.040 9.440 9.440 10.640 11.050 11.440 11.440 11.240 12.240	222222222222222222222222222222222222222	For priblock, "B" S	icing Ty use pric prockets	pe "C"; es in pro , plus : chas	eceding tak additional	kets in this de for Type hub length	\$ 5.70 5.80 5.90 6.00 6.30 6.40 6.60 7.00 7.20 7.40 7.80 8.30 8.30 8.90	\$ 6.60 6.70 6.80 6.90 7.20 7.30 7.50 7.70 7.90 8.20 8.60 8.80 9.00 9.30 9.90	6.70 6.80 6.90 7.20 7.30 7.50 7.70 7.90 8.40 8.60 8.80 9.00 9.60	\$ 7.50 7.60 7.70 7.80 7.80 7.80 8.10 8.20 8.40 8.60 9.40 9.60 9.80 10.00 10.00	\$0.15 .15 .15 .15 .15 .15 .15 .15 .15 .15
30 31 32 33 34 35 36 37 38 39 40	12.356 12.753 13.150 13.547 13.945 14.342 14.740 15.137 15.534 15.932	11 .956 12 .353 12 .750 13 .147 13 .545 13 .942 14 .340 14 .737 15 .134 15 .532	12.700 13.100 13.500 14.290 14.790 15.090 15.880 16.280	11.606 12.003 12.400 12.793 13.193 13.593 13.990 14.383 14.784 15.183	513.040 513.440 513.840 514.240 514.640 515.040 715.840 715.840 616.230 616.630	214 214 214 214 214 214 214 214 214 214	\$23.20 23.40 23.60 24.00 24.20 24.40 24.60 24.80 25.20	24.80 25.00 25.20 25.40 25.60 25.60 25.60 26.00 26.20	24 .60 24 .80 25 .00 25 .20 25 .40 25 .60 26 .00 26 .20	25.80 26.00 26.20 26.40 26.60 26.80 27.00 27.20 27.40	\$ 0.40 .40 .40 .40 .40 .40 .40 .40 .40	9.20 9.50 9.80 10.10 10.40 11.00 11.30 11.60 12.00	10.30 10.60 10.90 11.20 11.50 12.10 12.40 12.70 13.10	10.30 10.60 10.90 11.20 11.50 12.10 12.40 12.70 13.10	11.40 11.70 12.00 12.30 12.60 12.90 13.20 13.50 14.20	.20 .20 .20 .20 .20 .20

For No. RC-1050 Chain the effective number of teeth are those listed. The actual number of teeth is twice the number listed. For No. RC-1055 Chain the actual number of teeth are those listed. See illustrations, page 138.

SINGLE WIDTH SPROCKETS (MADE-TO-ORDER)

1 1/4 INCH PITCH—TYPE C STEEL AND CAST IRON SPROCKETS FOR NOS. RC-1050 AND RC-1055 CHAINS

r Diameter—RC-1050 = .400"; RC-1055 = % List Prices Not Hardened S With Key Seat and Set Screw For Each Extra 14" Hub Length 7,271 (a. 327) (7. 08) (b. 977) (7. 43) (b. 124) (b. 724) (7. 48) (b. 374) (b. 74) (b. 124) (b. 724) (26.90 27.40 27.90 28.40 28.90 29.50 30.10 30.70 31.30 31.90 26.90 27.40 27.90 28.40 28.90 29.50 30.10 30.70 31.30 31.90 43 44 45 46 47 48 49 50 51 52 53 54 55 57 58 59 28.10 28.60 29.10 29.60 30.10 30.70 31.30 31.90 32.50 33.10 13.90 14.30 13.70 15.10 15.50 16.30 16.70 17.10 17.50 26 27 27 28 28 29 30 30 70 20 70 30 90 50 90 40 90 50 10 70 30 .40 .90 .40 .90 .50 .10 .70 14 15 15 16 16 16 17 70 10 50 90 30 70 10 16 16 17 17 17 18 18 40 40 80 20 60 90 50 10 70 30 70 40 .905 20 .303 21 .700 21 .098 21 .496 22 .893 22 .291 23 34 34 35 19.00 19.40 19.80 20.30 20.80 21.30 21.80 22.40 32 33 33 34 35 35 33 34 34 35 36 36 37 33 34 34 35 36 36 10 70 30 40 40 17 17 18 18 19 19 20 20 18 18 19 .90 .70 .70 .70 .70 .70 18 18 19 19 20 21 21 .90 .70 .20 .70 .20 .70 .20 10 70 30 90 50 20 30 90 50 146 22 543 23 941 23 293 21 650 21 36 37 38 089 22 .689 23 .450 22 .086 23 .850 22 339 23 736 24 20 21 21 884 23 484 24

1 1/2 INCH PITCH—TYPE B STEEL SPROCKETS FOR NOS. RC-1260 AND RC-1265 CHAINS
Roller Diameter—RC-1269 = 15/32"; RC-1265 = 7/4"

	8.00 8.00 8.10 8.10 8.30 8.30 8.50 8.50	9.00 .35
6½ 3.228 2.759 3.480	8.00 8.00 8.10 8.10 8.30 8.30 8.50 8.50	8.90 .30 9.00 .35
7 3.457 2.988 3.730 2.582 4.020 132 5.20 6.10 6.10 7.00 20 7.2	8.10 8.10 8.30 8.30 8.50 8.50	9.00 .35
7 3.457 2.988 3.730 2.582 4.020 114 5.20 6.10 6.10 7.00 .20 7.2	8.30 8.30 8.50 8.50	9.00 .35
	8.50 8.50	
71/2 3.688 3.219 3.960 11/4 5.30 6.20 6.20 7.10 .20 7.4	8.50 8.50	
8 3.920 3.451 4.220 3.045 4.520 112 5.40 6.30 6.30 7.20 .20 7.6 844 4.152 3.685 4.450 112 5.60 6.50 6.50 7.40 .30 7.8		9.40 .35
8½ 4.152 3.685 4.450	8.70 8.70 8.90 8.90	
91/4 4 620 4 151 4 940 11/2 5 90 6 80 6 80 7 70 30 8 3		
10 4 854 4 385 5 190 3 979 5 520 114 6 05 6 95 6 95 7 85 40 8 6	9.50 9.50	
91/2 4.620 4.151 4.940 11/2 5.90 6.80 6.80 7.70 30 8.3 10 4.854 4.385 5.190 3.979 5.580 11/3 6.05 6.95 6.95 7.85 40 8.6 101/3 5.089 4.620 5.420 11/2 6.25 7.25 7.25 8.25 40 8.9		
11 5 324 4 855 5 670 4 449 6 010 114 6 50 7 50 7 50 8 50 40 9 2	10 20 10 20	11.20 .60
1114 5 560 5 001 5 000 112 6 80 7 80 7 80 8 80 40 9 5	10.50 10.50	11 50 60
12 ⁻² 5.796 5.327 6.150 4.921 6.500 132 7.10 8.10 8.10 9.10 .50 9.8 1234 6.632 5.533 6.380 6.500 132 7.40 8.40 8.40 8.40 9.40 .50 10.1 13 6.268 5.799 6.630 5.393 6.990 132 7.70 8.70 8.70 9.70 .50 10.4		11.80 .60
121/2 6.032 5.563 6.380 11/2 7.40 8.40 8.40 9.40 .50 10.1		12.10 .60
13 6 268 5 799 6 630 5 393 6 990 1 2 7 70 8 70 8 70 9 70 50 10 4 134 6 504 6 035 6 860 114 8 10 9 10 9 10 10 10 10 60 10 8		
13½ 6.504 6.035 6.860		13.20 .70
1434 6.978 6.509 7.340 114 8.90 9.90 9.90 10.90 60 11.6	12.60 12.6	13.60 .70
15 7.215 6.746 7.590 6.340 7.960 1½ 9.30 10.30 10.30 11.30 .60 12.0		14.00 .80
1514 7.452 6.983 7.820 11.70 9.70 10.70 10.70 11.70 60 12.4		
16 7 689 7 220 8 070 6 814 8 440 114 10 10 11 20 11 20 12 30 70 12 8	13.90 13.90	15.00 .90
1614 7 926 7 457 8 300 11 13 10 50 11 60 12 70 70 13 2	14.30 14.30	15.40 .90
17 8 163 7 694 8 540 7 288 8 920 1 2 10 90 12 00 12 00 13 10 80 13 7	14.80 14.8	15.90 1.00
17½ 8.401 7.932 8.780		
18 8 638 8 169 9 020 7 763 9 410 1 1 2 11 70 12 80 12 80 13 90 90 14 7 1814 8 875 8 406 9 260 11 3 1 3 1 1 2 10 13 20 13 20 14 30 90 15 0		
1814 8.875 8.406 9.260		
1936 9.350 8.881 9.740 134 13.10 14.20 15.30 1.00 16.7	17.80 17.8	18.90 1.20
20 9 589 9 120 9 980 8 71410 370 114 13 60 14 70 14 70 15 80 1 00 17 2	18.30 18.3	
1914 9.350 8.881 9.740 8.714 10.370 132 13.10 14.20 14.20 15.30 1.00 16.7 20 9.589 9.357 19.20 9.980 8.714 10.370 132 13.60 14.70 14.70 15.80 1.00 17.2 2014 9.826 9.357 10.220 11.4 1.10 15.20 15.20 15.30 16.30 1.00 17.7	18.80 18.8	
91 10 064 9 595 10 460 9 189 10 850 114 14 60 15 70 15 70 16 80 1 20 18 2	19.30 19.30	20 40 1 40
2134 10 302 9 833 10 700 134 15 10 16 20 16 20 17 30 1 30 18 7	19.80 19.80	
22 10.54010.07110.940 9.66511.330 134 15.60 16.70 16.70 17.80 1.40 19.2		
2214 10.778 10.309 11.170 11.50 19.8		
23		
23½ 11.254 10.785 11.650 1½ 17.10 18.20 18.20 19.30 1.70 20.9 24 11.492 11.023 11.890 10.617 12.290 1½ 17.60 18.70 18.70 19.80 1.80 21.5	22.00 22.00	
24 11.492 11.023 11.890 10.617 12.290 1½ 17.60 18.70 18.70 19.80 1.80 21.5 24½ 11.730 11.261 12.130 1.91 1½ 18.10 19.20 19.20 20.30 1.90 22.1		
24½ 11.73011.26112.130	23.80 23.8	

For Types of Sprockets, see page 138.

For Types of Sprockets, see page 138.

For Nos. RC-1050 and RC-1260 Chains the effective number of teeth are those listed. The actual number of teeth is twice the number listed. For Nos. RC-1050 and RC-1260 Chains the actual number of teeth are those listed. See illustrations, page 138.

FOR EXTENDED PITCH ROLLER CONVEYOR CHAINS

11/2 INCH PITCH—TYPE C STEEL AND CAST IRON SPROCKETS FOR NOS. RC-1260 AND RC-1265 CHAINS

					Roller I	Diameter	RC-	1260 =	15/32 NSIONS	"; RC-126! —CONTINU	5 = %"					
		No. R	C-1260	No. R	C-1265	Standard		List Pri	ces—Not	Hardened S	teel		List Pr	ces—Ca		
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub Length Through Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Rach Extra 1/4" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/2 Hub Length
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	11.492 11.968	5.799 6.272 6.746 7.220 7.694 8.169 8.644 9.120 9.595 10.071 10.547 11.023 11.499	6.150 6.630 7.110 7.590 8.070 8.540 9.020 9.500 9.980 10.460 10.940 11.420 11.890 12.370	9.189 9.665 10.141 10.617 11.093	7,470 7,960 8,440 8,920 9,410 9,890 10,370 10,850 11,330 11,810 12,290 12,770	214 214 214 214 214 214 214 214 214 214	this bl	ock, us "B" Sp	e prices rockets length	in precedir , plus addi charges	prockets in ig table for tional hub	7.90 8.20 8.50 8.80 9.10 9.50 9.80	\$7.50 7.65 7.80 7.95 8.10 8.25 8.40 9.00 9.30 9.60 9.90 10.20 10.60 11.20	\$7.50 7.65 7.80 7.95 8.10 8.25 8.40 9.00 9.30 9.60 9.90 10.60 10.90 11.20	\$8.40 8.55 8.70 8.85 9.00 9.15 9.30 9.50 10.10 10.70 11.30 11.70 12.30	\$0.15 .15 .15 .15 .15 .15 .15 .20 .20 .20 .20 .20
26 27 28 29 30 31 32 33 34 35 36 37 38 40 41 42 43 44 45 46	12.444 12.921 13.397 13.874 14.350 14.827 15.780 16.257 16.721 17.687 18.641 19.18 19.595 20.549 21.026 21.930	11 975 12 453 12 928 13 405 13 881 14 358 14 358 15 311 15 788 16 265 17 218 17 218 17 218 17 218 18 172 18 649 19 126 19 003 20 557 21 034 21 511	12.850 13.330 13.810 14.280	11 569 12 046 12 522 13 475 13 952 14 428 14 905 15 382 15 859 16 336 16 812 17 289 17 766 18 243 18 720 19 197 19 674 20 151 20 628 21 104	13 . 250 13 . 730 14 . 210 14 . 210 15 . 650 15 . 650 16 . 610 17 . 090 18 . 050 18 . 520 19 . 960 20 . 440 20 . 440 20 . 21 . 390 21 . 870 22 . 830 22 . 830	21/2 21/2 21/2 21/2 21/2 21/2 21/2 21/2	\$24 10 24 36 24 56 24 96 25 76 26 27 27 27 27 27 28 22 28 77 29 8 30 44 31 0 31 6 32 8 33 44 34 6	25.50 26.10 26.10 26.90 26.90 27.40 28.49 28.49 29.70 30.20 30	0 25.70 26.10 26.50 0 26.50 0 27.90 0 27.90 0 28.90 0 28.90 0 30.40 0 31.60 0 33.80 0 33.80 0 35.00	26,70 26,90 27,70 28,10 28,10 28,60 29,10 30,10 30,10 30,10 31,40	\$0.40 .40 .40 .40 .40 .40 .40 .40 .50 .50 .50 .50 .50 .50	10.40 10.80 11.200 12.40 12.30 13.30 14.30 15.30 15.30 16.80 17.30 17.80 18.30 19.30 19.30 19.30	11 .50 11 .90 12 .70 13 .10 13 .50 14 .40 14 .90 16 .20 17 .70 18 .20 19 .20 .10 20 .10 20 .10 20 .10 21 .70 22 .20 22 .20 23 .20	11.50 11.90 12.70 13.10 13.50 14.40 14.90 16.20 16.70 17.70 18.20 19.20 20.30 20.80 21.80	12.60 13.00 13.80 14.20 14.60 15.50 16.50 17.60 18.10 19.10 20.10 20.10 20.20 20.20 21.50 22.20	20 20 20 20 20 20 20 20 20 20 20 20 20 2
48 49 50 51 52 53 54 55 56 57 58	23 412 23 889 24 366 24 843 25 320 25 798 26 275 26 752 27 229	22.943 23.420 23.897 24.374 24.851 25.329 25.806 26.283	24 .320 24 .790 25 .270 25 .750 26 .230	22.537 23.014 23.491 23.968 24.445 24.923 25.400 25.877 26.354	24.260 24.740 25.220 25.700 26.190 26.650 27.130 27.610 28.090	3 3 3 3 3 3 3 3 3 3 3	35.2 35.8 36.5 37.2 37.9 38.6 39.3 40.0 40.7 41.4 42.1	0 37.2 0 37.8 0 38.5 0 39.2 0 39.9 0 40.6 0 41.3 0 42.0 0 43.4	0 36.80 0 37.40 0 38.10 0 38.80 0 39.50 0 40.20 0 40.90 0 41.60 0 42.30	38.80 39.40 40.10 40.80 41.50 42.20 42.20 43.60 44.30 45.00	.50 .50 .50 .50 .50 .50 .50 .50 .50 .50	20.80 21.30 21.80 22.30 22.80 23.30 23.80 24.40 25.00 25.60 26.20	23.70 24.20 24.70 25.20 25.70 26.30 26.90 27.50	22.30 22.80 23.30 24.30 24.80 25.30 25.90 26.50 27.10	24.20 24.70 25.20 25.70 26.20 27.20 27.80 28.40	25.55.55.55.55.55.55.55.55.55.55.55.55.5

2 INCH PITCH—TYPE B STEEL SPROCKETS FOR NOS. RC-1680 AND RC-1685 CHAINS

	No. RC-1680 No. RC-1685 L. List Prices Not Hardened Steel List Prices—Hardened Steel															
		No. R	C-1680	No. R	C-1685	Standard		List Pric	ts-Not	Hardened S	teel	L	ist Price	-Hard	ened Ste	-1
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub Length Through Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/ Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra % Hub Length
6	4.000				4.660		\$6.10	\$7.00	\$7.00	\$7.90	\$0.20	\$8.30	\$9.20	\$9.20	\$10.10	\$0.30
61/2	4.304	3.679				13%	6.40	7.30	7.30	8.20	.30	8.60	9.50	9.50		.40
7	4.610			3.485	5.350		6.70		7.60	8.50	.30	8.90	9.80	9.80		.50
71/2	4.917	4.292				13%	7.10	8.00	8.00	8.90	.40	9.50				.60
8	5.226		5.630	4.101	6.030	1%	7.50	8.60	8.60	9.70	.40	10.10	11.20	11.20	12.30	.60
81/2	5.536		5.940			15%	8.00	9.10	9.10	10.20	.50	10.70	11.80	11.80	12.90	.60

For Types of Sprockets, see page 138.
For Nos. RC-1260 and RC-1690 Chains the effective number of teeth are those listed. The actual number of teeth is twice the number listed. For N

SINGLE WIDTH SPROCKETS (MADE-TO-ORDER)

2 INCH PITCH—TYPE B STEEL SPROCKETS FOR NOS. RC-1680 AND RC-1685 CHAINS Roller Diometer—RC-1680 = $\frac{1}{2}$ %, RC-1685 = $\frac{1}{2}$ %

_						ISI PRIC	ES AND	DIMER	ISIONS-	-continu	ED					
-	1	No. R	C-1680	No. R	C-1685	Standard		List Pric	es-Not	Hardened S	teel	L	ist Prices	-Hard	ned Stee	1
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub	With Plain Bore	With One Key Seat	With One Set Screw	With Key Scat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 1/4" Hub Length
9	5.848		6.270	4.723	6.700	154	\$8.50	\$9.60	\$9.60	\$10.70	\$.50		\$12.40	\$12.40	\$13.50	\$.60
91/2	6.160	5.535	6.580			1%	9.10	10.20	10.20	11.30	.60	12.00	13.10	13.10	14.20	.70
10	6.472		6.910	5.347	7.360		9.70	10.80		11.90	.60	12.70	13.80			
101/2	6.785	6.160	7.230			15%	10.40			12.60	.60	13.50	14.60	14.60		
11	7.099	6.474	7.560	5.974	8.010		11.10			13.30	.70	14.30	15.40	15.40		
111/2	7.413	6.788	7.870			13%	11.80		12.90	14.00	.70	15.10	16.20	16.20		.90
12	7.727	7.102		6.602	8.660	15%	12.50 13.20	13.60	13.60 15.50	14.70 15.80	.80	15.90	17.00 18.00	17.00 18.00	18.10	1.00
121/2	8.042	7.417			9.320	1%	13.90				.80	17.50				
13 13½	8.672			1.232	9.320	1%	14.60	15.90		17.20	1.00	18.30	19.60	19.60		
14	8.988	8.363	9.480	7.863		13/8	15.30	16.60		17.90	1.10	19.20	20.50	20.50	21.80	1.40
141/2	9.304	8.679				17/8	16.00			18.60	1.20	20.10		21.40		
15	9.620	8.995	10.120	8.495	10.610		16.70	18.00	18.00	19.30	1.30	21.00			23.60	1.60
151/2	9.936		10,430			176	17.40			20.00	1.40	21.90			24.50	
16	10.252		10.750	9.127	11.260	13%	18.10	19.40	19.40	20.70	1.50	22.80	24.10	24.10	25.40	
161/2	10.568		11.070		10000	178	18.80			21.40	1.60	23.70	25.00	25.00	26.30	1.90
17	10.885		11.390	9.760	11.900	13%	19.50	20.80		22.10	1.70	24.60		25.90		
171/2	11.201	10.576	11.710	10.000	10.510	13%		21.50	21.50	22.80 23.50	1.80	25.60	26.90 27.90	26.90 27.90	28,20	2.00
1816	11.834	10.893	12.030	10.393	12.540	13%	20.90 21.60	22.20	22.20 22.90		1.90	27.60				
18/2	111.834	11.209	114.350			1 1/8	21.60	44.90	44.90	24.20	1.90	1 47.60	4 28.90	1 46.90	g 30.20	7 4.20

2 INCH PITCH—TYPE C STEEL AND CAST IRON SPROCKETS FOR NOS. RC-1680 B. RC-1685 CHAINS Roller Dimensor—BC-180 = 1/4", RC-1685 = 11/4".

_	No. RC-1680 No. RC-1685 List Prices—Not Hardened Steel															-
		No. R	C-1680	No. R	C-1685	Standard		List Pri	ces-Not	Hardened S	teel		List Pr	ices—C		
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub Length Through Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Rach Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length
9 10 11 12 13 14 15 16 17 18	12.151	5.845 6.474 7.102 7.732 8.363 8.995 9.627 10.260 10.893	7.560 8.200 8.840 9.480 10.120 10.750 11.390 12.030	7.863 8.495 9.127 9.760 10.393 11.026	10.610 11.260 11.900 12.540 13.190	222222222222222222222222222222222222222	Type	ock, us "B" Sp Is	e prices prockets ength ch	\$31.20	ng table for tional hub	9.10 9.50 9.90 10.40 10.90	12.30	9.20 9.40 9.60 9.90 10.20 11.00 11.50 12.30	10.50 10.70 11.00 11.30 11.70 12.10 12.60 13.70	.20 .20 .20 .20 .20 .20 .20 .20 .20
20 21 22 23 24 25 26 27 28 29 30 31 32 33	12.785 13.419 14.053 14.688 15.958 16.593 17.228 17.863 18.498 19.134 19.769 20.405 21.040 21.676	12.160 12.794 13.428 14.063 14.693 15.968 16.603 17.238 17.873 18.509 19.144 19.20 19.144 20.415 21.051	13.310 13.940 14.580 15.220 16.500 17.130 17.770 18.410 19.680 20.320 20.960 22.230	11.660 12.294 12.928 13.563 14.183 15.468 16.103 16.738 17.373 18.009 18.644 19.280 19.915	13.830 14.470 15.110 15.750 16.390 17.030 17.670 18.310 19.590 20.230 20.870 21.510 22.150 22.780	,	28 80 29 44 30 00 30 66 31 20 32 23 33 22 34 22 35 26 36 21 37 22 38 22 40 90 40 31	0 30 30 30 90 30 90 31 55 00 32 10 32 70 32 70 33 70 34 70 35 70 36 70 37 90 38 90 39 90 39 90 42 60 44 60 64 46 60 64 46 60 64 46 60 64 46 60 64 46 60 64 60 60 64 60 60 60 60 60 60 60 60 60 60 60 60 60	00 30 30 30 90 30 90 31 50 31 50 32 10 32 70 32 70 32 70 33 70 34 70 35 70 36 70 38	31, 80 32, 40 33, 00 34, 20 35, 20 36, 20 37, 20 38, 20 39, 40 40, 40 41, 40 42, 70 44, 10 45, 50	50 50 50 50 50 50 50 50 60 60 60 60	11.90 12.50 13.10 13.70 14.30 15.60 16.30 17.00 17.80 18.60 19.40 20.20 21.00 21.00 22.60	13.30 13.90 14.50 15.10 15.70 16.30 17.00 17.70 18.60 19.40 20.20 21.80 22.60	13.30 13.90 14.50 15.10 15.70 17.70 17.70 18.40 19.20 20.00 20.80 21.60 22.40 23.20	14.70 15.30 15.90 16.50 17.10 17.70 18.40 19.10 20.00 20.80 21.60 22.40 24.00 24.80	25252525252525252525252525252525252525
35 36 37 38 39 40 41 42 43	22.947 23.583 24.219 24.855 25.491 26.127 26.763	22 322 22 958 23 594 24 230 24 866 25 502 26 138 26 774	24.140 24.780	21 .822 22 .458 23 .094 23 .730 24 .366 25 .022 25 .638	24.060 24.700 25.340 25.980 26.610 27.250 27.890	314 314 314 314 314 314 314 314 312	43.70 45.10 46.50 47.90 49.30 50.80 52.30 53.80 55.30	47.20 48.60 50.00 51.40 52.90 54.40 55.90	0 46.70 0 48.10 0 49.50 0 50.90 0 52.40 0 53.90 0 55.40	48.80 50.20 51.60 53.00 54.50 56.00 57.50	.60 .60 .60 .60 .60 .70 .70	22.60 23.40 24.20 25.00 25.90 26.80 27.70 28.60 29.50	25.30 26.10 26.90 27.80 28.70 29.60 30.50	29.20 30.10	26.80 27.60 28.40 29.30 30.20 31.10 32.00	.30 .30 .30 .30 .30 .30 .35

For Types or oprocees, see page 13s.

For No. RC-1680 Chain the effective number of teeth are those listed.

the actual number of teeth are those listed. See illustrations, page 138.

se listed. The actual number of teeth is twice the number listed. For No. RC-1685 Chain

FOR EXTENDED PITCH ROLLER CONVEYOR CHAINS

2 INCH PITCH-TYPE C STEEL AND CAST IRON SPROCKETS FOR NOS. RC-1680 AND RC-1685 CHAINS

Roller Diameter—RC-1680 = 5/8"; RC-1685 = 11/8"

	LIST PRICES AND DIMINSIONS—CONTINUED No. RC-1680 No. RC-1685 List Prices—Not Hardened Steel List Prices—Cast Iron															
-	1	No. R	C-1680	No. R	C-1685	Standard		List Pri	ces—Not	Hardened	Steel		List P	rices—C	ast Iron	
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub Length Through Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra ¼" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Length
44	28.035	27.410	28.600	26.910	29.160	31/6	\$57.00		\$58.60	\$60.70	\$0.70		\$32.30	\$31.90	\$33.80	
	28.671	28.046	29.240	27.546	29.800	31/2	58.70			62.40	.70	31.30			34.70	
46	29.307					332	60.40		62.00		.70	32.20	34.10	33.70	35.60	.35
47	29.943					31/2	62.10	64.20		65.80	.70	33.10		34.60	36.50	.35
48	30.580	29.955	31.250	29.455	31.710	334	63.80			67.50	.70	34.00	35.90	35.50	37.40	.35
49	31.216	30.591	31.780	30.091	32.350	334	65.50			69.20	.70	34.90	36.80	36.40	38.30	.35
	31.852	31.227	32.420	30.727	32.990	334	67.20			70.90	.70	35.80	37.70	37.30		
51	32.488	31.863	33.060	31.363	33.630		68.90		70.50	72.60	.70	36.70	38.60	38.20	40.10	.35
52	33.124	32.499	33.690	31.999	34.260	334	70.60		72.30	74.40	.70	37.60				
					34.900		72.30				.70	38.50				
	34.397						74.00		75.60	77.80	.70	39.50			42.90	.35
55	35.033	34.408	35.610	33.908	36.180	334	75.70	77.80	77.40	79.50	.70	40.50			43.90	
	35.669	35.044	36.240	34.544	36.810	4	77.40		79.10	81.20	.70	41.50	43.40	43.00	44.90	.35
57	36.306	35.681	36.880	35.181	37.450	4	79.10	81.20	80.80	82.90	.70	42.50				.35
	36.942	36.317	37.520	35.817	38.090	4	80.80			84.60	.70	43.50	45.40	45.00	46.90	.35
	37.578						82.50		85.20	86.30	.70	44.50				.35
60	38 215	37 590	138 790	37.090	139.360	4	84 20	86 30	85 90	88 00	70	45.50	47.40	47.00	48.90	.35

21/2 INCH PITCH—TYPE B STEEL SPROCKETS FOR NOS. RC-2010 AND RC-2015 CHAINS Roller Diameter—RC-2010 = 1/4"; RC-2015 = 1 9/16"

	1 1	No. R	C-2010	No. R	C-2015	Standard		List Pris	es-Not	Hardened S	teel	1	ist Price	-Hard	ened Stee	el .
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub Length Through Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	Length
- 6	5.000	4.250	5.420	3.438	5.830	11/2			\$ 8.90		\$ 0.40	\$10.30	\$11.20	\$11.20	\$12.10	\$0.50
616	5.380	4.630	5.800			132	8.60	9.60	9.60	10.60	.50	11.10		12.10		.60
7	5.762	5.012	6.230	4.200	6.690	134	9.20			11.20	.50	11.90				.60
71/2	6.146	5.396	6.610			132	9.90		10.90		.60	12.70	13.70	13.70	14.70	.70
8	6.532	5.782		4.970	7.540	134	10.60				.60	13.50				.80
81/2	6.920	6.170	7.420			134	11.40	12.40	12.40	13.40	.70	14.50	15.50	15.50	16.50	
9	7.310	6.560	7.840	5.748	8.370	134	12.20			14.20	.80	15.50				
91/2	7.700		8.230			2	13.10		14.20	15.30	.90	16.50	17.60		18.70	
10	8.090	7.340	8.640	6.528	9.200	2	14.00	15.10	15.10		1.00	17.60				
101/2	8.481	7.731				2	15.00		16.10	17.20	1.10	18.70				
11	8.872	8.122	9.440	7.310	10.020	2	16.00	17.10	17.10	18.20	1.20	19.80			22.00	
111/2	9.266		9.840			2	17.00		18.10		1.30	21.00	22.10	22.10		1.60
12	9.660	8.910	10.250	8.098	10.830	2	18.00		19.10	20.20	1.40	22.20		23.30	24.40	1.70
121/2	10.053	9.303	10.640			2	19.00			21.60	1.50	23.40		24.70	26.00	
13	10.447	9.697	11.050	8.885	11.640	2	20.00				1.60	24.60			27.20	1.90
131/2	10.840	10.090	11.440			2	21.00	22.30	22.30	23.60	1.70	26.00	27.30	27.30		
14			11.850		12.460	2	22.00				1.80	27.40				
141/2	11.630	10.880	12.240			2	23.00		24.30	25.60	1.90	28.80			31.40	
15	12.025	11.275	12.640	10.463	113.260	2	1 24.00	25.30	25.30	26.60	1.90	130.20	31.50	31.50	32.80	2.20

21/2 INCH PITCH—TYPE C STEEL AND CAST IRON SPROCKETS FOR NOS. RC-2010 AND RC-2015 CHAINS

For Types of Sprockets, see page 138.

*For Nos. RC-1680 and RC-2010 Chains the effective number of teeth are those listed. The actual number of teeth is twice the number listed. For No.

SINGLE WIDTH SPROCKETS (MADE-TO-ORDER)

21/2 INCH PITCH-TYPE C STEEL AND CAST IRON SPROCKETS FOR

										2015 C						
	_		_							-CONTINU						
		No. R	C-2010	No. R	C-2015	Standard		List Pric	es—Not	Hardened S	teel		List P	rices—C	ast Iron	
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Diam.	Outside Diam.	Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra ½" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	
18 19 20 21 22 23 24 25 26 27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 44 45	15 190 15 982 16 775 17 567 18 360 19 152 19 947 21 535 22 330 21 535 22 33 22 71 22 5 505 26 300 27 890 26 480 30 275 31 070 33 455 34 250 35 34 35 840	14 440 15 232 16 025 16 817 17 610 18 402 19 197 19 198 20 785 21 580 22 372 23 167 23 962 24 755 25 550 26 345 27 140 29 525 28 730 31 115 31 910 33 500 34 295 35 095	15. 840 16. 630 17. 430 18. 230 19. 920 19. 820 20. 620 21. 420 22. 210 23. 810 24. 600 26. 190 26. 190 27. 790 28. 580 30. 180 30. 970 31. 770 33. 360 34. 160 34. 160 34. 960 35. 750 36. 555	13 622 14 420 15 213 16 005 16 798 17 590 18 388 19 973 20 768 21 56 22 355 23 151 23 943 24 738 25 53 26 328 27 12 27 12 27 12 28 713 28 713 28 713 28 713 30 30 31 098 31 098 31 098 31 483 32 483 32 483 33 487	15.680 16.480 17.290 18.090 18.890 20.490 20.490 22.2990 22.890 22.890 23.690 24.490 26.290 26.290 26.300 27.490 28.4490 29.290 29.290 29.300 20.300 20.300 20.300 20.300 20.300 20.300 20.300 20.300	314 314 314 314 314 314 314 314 314 314	\$34.20 35.40 36.60 37.80 39.00 41.00 45.00 47.00 53.50 56.00 58.50 66.00 67.10 78.50 76.00 78.50 88.50 91.50	\$36.20 37.40 38.60 39.80 41.00 43.00 47.00 47.00 51.70 53.70 56.20 69.20 71.70 66.20 69.20 71.70 79.20 81.70 84.20 86.70 89.20	\$35.80 37.00 38.20 39.40 40.60 44.60 46.60 48.60 50.80 57.80 60.30 67.80 67.80 77.80 80.80 72.80 77.80 80.80 80.90 90.50 90.50 90.50 93.00	\$37.80 39.02 41.40 42.60 44.60 48.60 55.50 55.50 65.50 65.00 66.00	\$0.60 .60 .60 .60 .60 .60 .60 .60 .60 .60		\$20.00 21.00 22.00 23.00 25.00 26.00 27.00 28.50 29.50 31.50 32.50 33.50 34.50 33.50 34.50 39.00 40.00 41.00 42.00 44.00 46.00	\$19.60 20.60 21.60 22.60 23.60 24.60 25.60 26.70 28.70 29.70 31.70 33.70 33.70 33.70 34.70 35.80 39.80 40.80 44.80 44.90 44.90 46.90	\$21.60 22.60 23.60 25.60 25.60 27.60 28.60 30.20 31.20 32.20 33.20 33.20 33.20 33.20 34.20 35.20 37.20 38.80 40.80 41.80 42.80 43.80 44.80 45.80 47.20 49.20 49.20	Length \$0.30 .30 .30 .30 .30 .30 .30 .30 .30 .30
47 48 49 50 51 52 53 54 55 56	38.225 39.020 39.815 40.610 41.405 42.200 42.995 43.792 44.587	37,475 38,270 39,065 39,860 40,655 41,450 42,245 43,042 43,837	38.930 39.730 40.530 41.320 42.120 42.910 43.710 44.510 45.300	36.663 37.458 38.253 39.048 39.843 40.638 41.433 42.230 43.025	38.850 39.640 340.440 41.240 342.030 342.830 343.630 344.420 045.220 546.020	414 414 434 434 434 434 434 55	101.00 103.50 106.00 108.50 111.00 113.50 116.00 118.50 121.00	104 .60 107 .10 109 .60 112 .10 114 .60 117 .10 119 .60 122 .10	100.50 103.00 105.50 108.00 110.50 113.00 115.50 118.00 120.50 123.00	106.60 109.10 111.60 114.10 116.60 119.10 121.60 124.10 126.60	.70 .70 .70 .70 .70 .70 .70 .70 .70 .70	47.00 48.10 49.20 50.30 51.40 52.50 53.60 54.70 55.80 56.90	51.40 52.50 53.60 54.70 55.80 56.90 58.00	50.00 51.10 52.20 53.30 54.40 55.50 56.60 57.70 58.80	53.30 54.40 55.50 56.60 57.70 58.80 59.90 61.00	.35 .35 .35 .35 .35 .35 .35 .35 .35

3 INCH PITCH-TYPE B STEEL SPROCKETS FOR NOS. RC-2412 AND RC-2415 CHAINS

					Roller	Diamet	er-RC-	2412 =	= 7/0";	RC-2415 =	13/4"					
		No. R	C-2412	No. R	C-2415	Standard		List Pric	es-Not	Hardened S	teel	L	ist Price	-Hard	ened Stee	1
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub Length Through Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra ½ "Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra %" Hub Length
6	6.000	5.125			6.996		\$12.80	\$13.90	\$13.90	\$15.00	\$ 0.60	\$16.80	\$17.90	\$17.90	\$19.00	
61/2	6.456	5.581	6.950			21/4	13.85	14.95	14 95	16.05	.60		18.80		19.90	
7	6.915			5.165	8.032	21/2	14.90	16.00	16.00		.70	18.60				
71/2	7.376		7.930			21/4	16.25	17.35	17.35	18.45	.80	19.90				1.00
8	7.839	6.964		6.089	9.044	21/4	17.60	18.70	18.70		.90	21.20				
81/2	8.304	7.429	8.910			23/8	19.30	20.70	20.70	22.10	1.00	23 40				
9	8.772	7.897	9.410		10.042	234	21.00	22.40	22.40	23.80	1.10	25.00				1.40
91/2	9.240	8.365	9.800			23%	22.70	24.10	24.10		1.20	26.80				1.50
10	9.708		10.370	7.958	11.033	23%	24.40	25.80	25.80		1.30	28 60				
101/2	10.178		10.840			23%	26.10	27.50	27.50	28.90	1.40	30.70				
11			11.330		12.017		27.80	29.40		31.00	1.60	32.80	34.40	34.40	36.00	1.90
111/2	11.120	10.245	11.800			23/8	29.50			32.70	1.80	35.00	36.60	36.60	38.20	2 10
12	11.591	10.716	12.290	9.841	12.996	23/8	31.20	32.80	32.80	34.40	1.90	37.20	38.80	38.80	40.40	2.30

For Types of Sprockets, see page 138.

For Nos. RC-2010 and RC-2412 Chains the effective number of teeth are those listed. The actual number of teeth is twice the number listed. For N.

46.177 45.427 46.890 44.615 47.610 5 46.972 46.222 47.690 45.410 48.410 5 47.767 47.017 48.490 46.025 49.200 5

FOR EXTENDED PITCH ROLLER CONVEYOR CHAINS

3 INCH PITCH—TYPE C STEEL AND CAST IRON SPROCKETS FOR NOS. RC-2412 AND RC-2415 CHAINS

ROLLER DIAMETER—RC-2412=7/4"; RC-2415=13/4"

	LIST PRICES AND DIMENSIONS—CONTINUED No. RC-2412 No. RC-2415 List Prices—Not Hardened Steel List Prices—Cast Iron															
		No. R	C-2412	No. R	C-2415	Standard		List Pri	ces—No	Hardened S	itrel	_	List F	rices—C		
*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Root Diam.	Outside Diam.	Hub Length Through Bore	With Plain Bore	With One Key Stat	With One Set Screw	With Key Seat and Set Screw	For each Extra ¼" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	mengen.
14 15 16	8,772 9,708 10,649 11,591 12,536 13,482 14,430 15,378 16,328 17,277	9.774 10.716 11.661 12.607 13.555 14.503 15.453	13.250 14.210 15.170 16.130 17.090	7.958 8.899 9.841 10.786 11.732 12.680 13.628 14.578	12.020 13.000 13.970 14.950 15.920 16.880 17.850	annanananana Antononananananananananananananananananan	block Spro	\$36.10 38.50 41.10 44.20	\$35.90 38.30 40.90 43.60 46.20	40.00 42.60 45.80 48.40	s 0.60 .60 .60 .60 .60	\$16.60 17.60 18.60 19.60 20.60 21.80 23.00 24.20 25.40 26.60	19.20 20.20 21.20 22.20 23.40 24.60 26.20 27.40	\$18.10 19.10 20.10 21.10 22.10 23.30 24.50 25.70 26.90 28.10	20.70 21.70 22.70	\$0.30 .30 .30 .30 .30 .30 .30 .30 .30 .30
21 22 23 24	18.227 19.178 20.129 21.080 22.032 22.985 23.937 24.890 25.842 26.795	18.303 19.254 20.205 21.157 22.110 23.062 24.015 24.967	19.960 20.920 21.870 22.830 23.790 24.740 25.700 26.650	17,428 18,379 19,330 20,282 21,235 22,187 23,140 24,092	20.740 21.710 22.670 23.630 24.590 25.550 26.510 27.470	334 334 334 334 4 4 4	49.80 52.40 55.00 57.60 60.20 62.80 65.40 68.00 70.80 73.60	54.60 57.20 59.80 62.90 65.50 68.10 70.70 73.50	54.00 56.60 59.20 61.80 64.40 67.00 69.60	56.20 58.80 61.40 64.50 67.10 69.70 72.30	.80 .80 .80 .80 .80 .80 .80 .80 .80	27.80 29.00 30.20 31.40 32.60 33.80 35.00 36.20 37.60 39.00	35.10 36.30 37.50 38.70 40.10	29.30 30.50 31.70 32.90 34.10 35.30 36.50 37.70 39.10 40.50	31.30 32.50 33.70 34.90 36.60 37.80 39.00 40.20 41.60 43.00	.40 .40 .40 .40 .40 .40 .40 .40
29 30 31 32 33 34 35 36 37 38	28.701 29.654 30.608 31.560 32.514 33.468 34.421	27.826 28.779 29.733 30.685 31.639 32.593 33.546 34.500	30.480 31.440 32.390 33.350 34.300 35.260 36.210	26.951 27.904 28.858 29.810 30.764 31.718 32.671 33.625	30.340 31.300 32.260 33.220 34.180 35.130 36.090 37.050	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	76.40 79.20 82.00 84.80 87.60 90.40 93.20 96.00 99.00	82.40 85.20 88.00 90.80 93.60 96.40 99.40 102.40	80.80 83.60 86.40 89.20 92.00 94.80	104.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	40.40 41.80 43.20 44.60 46.00 47.60 49.20 50.80 52.60 54.40	44.80 46.20 47.60 49.00 50.60 52.20 54.10 55.90	41.90 43.30 44.70 46.10 47.50 49.10 50.70 52.30 54.10 55.90	47.70 49.10 50.50 52.10 53.70 55.60 57.40	55555555566
39 40 41 42 43 44 45 46 47 48	37.283 38.237 39.191 40.145 41.099 42.053 43.007 43.961 44.915 45.870	37,362 38,316 39,270 40,224 41,178 42,132 43,086 44,040	39.080 40.030 40.990 41.940 42.900 43.860 44.810 45.770	36.487 37.441 38.395 39.349 40.303 41.257 42.211 43.165	39.920 40.880 41.830 42.790 43.750 44.700 45.660 46.660	44555555555555	108.00 111.00 114.00 117.00 120.00 123.00 126.00	111.70 114.70 119.40 122.40 125.70 128.70 131.70 135.10		113.30 116.30 121.60 124.60 127.90 130.90 133.90 137.30	1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	56.20 58.10 60.00 62.00 64.00 66.00 70.00 72.00 74.00	67.40 69.40 71.70 73.70 75.70 78.10	57.70 59.60 61.50 64.20 66.20 70.20 72.20 74.20 76.20	61.00 62.90 64.80 69.60 71.60 75.90 77.90 80.30 82.30	.60 .60 .60 .60 .60 .60 .60 .60
49 50 51 52 53 54 55 56 57 58	46.824 47.778 48.732 49.686 50.640 51.594 52.551 53.505 54.459 55.413	46,903 47,857 48,811 49,765 50,719 51,676 52,630 53,584	48.630 49.590 50.540 51.500 52.450 53.410 54.360 55.320	46.028 46.982 47.936 48.890 49.844 50.801 51.755 52.709	49.490 50.440 51.400 52.350 53.310 54.260 55.220 56.180		138.00 141.00 144.00 147.00 150.00 153.00 156.00 159.00	144.50 147.50 150.50 153.50 156.50 159.50 162.50	137. 20 140. 20 143. 20 146. 20 149. 20 152. 20 155. 20 158. 20 161. 20 164. 20	146.70 149.70 152.70 155.70 158.70 161.70 164.70	1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	92.00	84.50 86.90 88.90 91.30 93.30	84.20 86.20 88.20 90.20 92.20 94.20	86.70 89.10 91.10 93.50 95.50 97.90 99.90	.60 .60 .60 .60 .60
59 60	56.367 57.321	55.492 56.446	57.230 58.180	54.617 55.571	58.090 59.040	5% 5%	165.00 168.00	171.50 174.50	167.20 170.20	173.70 176.70	1.20 1.20	96.00 98.00	104.50 106.50	98.20 100.20	106.70 108.70	.60 .60

*For No. C-2412 chain the effective number of teeth are those listed. The actual number of teeth is twice the number listed. For No. RC-2415 cha

FLAT-TOP Silverlink ROLLER CONVEYOR CHAINS



Top Plates of this chain have a slight radius on the sides and ends to assure smooth carrying at all times. There are no sharp edges to scratch the bottoms of bottles or cans.

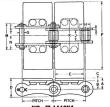


Top Plates have one beselved edge which permits them to slide under sharp-edged cans or bottles for smooth pick-up. Construction is identical to the FT-1505K Chain shown above, with a slight radius on all other edges of the top plates.

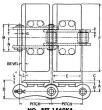


Both edges of top plates are beveled, assuring ultimate smoothness in pick-up and discharge of sharp-edged bottles and cans. Plate ends have a slight radius.

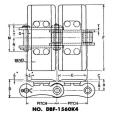
FOR SMOOTH HANDLING OF BOTTLES. JARS AND CANS



NO. FT-1560K4



NO. BFT-1560K4



Silverlink ➤ FLAT-TOP < Conveyor Chain is used for handling bottles, jars, and cans, through cleaning, filling and capping operations. For this service, the chain articulates freely and prevents "humping." The tops of the chain remain at uniform height, so that when progress of the containers is halted continued travel will not disarrange the articles. The accurate width of top plates provides snug, yet free operation in the track. Light weight of the chain means minimum power requirements and wear, and permits the return run to hang unsupported without excessive structural strength. Cotter pin construction makes this chain readily detachable.

The three chains shown can be furnished as follows:

- (1) All Steel Construction
- (2) All Steel with Stainless Steel Top Plates
 - (3) All Stainless Steel Construction.



	1 1						Din	Ro	ller					
tch	^	В	С	D	E	ř	Pin Diam. G	Diam. H	Width	K	м	N	т	
1/2	. 535	.410	.125	. 890	13%	3	. 232	15/2	.500	1.625	1.141	. 583	.094	

LIST PRICES AND WEIGHTS

Chein	*Add to Price per Foot for		PARTS		Weight
Foot	Base Length Dimension	Connect- ing Link	Roller Link	Offset Link	Foot
DGES	OF TOP	PLATE	NO.	BEV	ELED
\$2.30	\$0.02	\$0.35	\$0.42	\$0.58	
3.60 5.60	.10	.58 .90	.70 1.05	.98 1.50	2.06
-ONE	EDGE OI	TOP	PLATE	BEV	ELED
\$2.50	\$0.03	\$0.40	\$0.47	\$0.63	l -
3.80 5.80	:11	.63	.75 1.10	1.03 1.55	2.06
вотн	EDGES C	F TOP	PLA	TE BE	VELED
\$2.80	\$0.04	\$0.45	\$0.52	\$0.68	П
4.10 6.10	.12	.68 1.10	.82 1.15	1.08	2.06
	\$2.30 3.60 5.60 -ONE \$2.50 3.80 5.80 BOTH \$2.80 4.10	Chain per Foot for per Foot of the per Foot of	Care Care	Chain Fraction Chain C	Chain September Chain Chain

SPROCKETS ARE LISTED ON PAGE 150

SPROCKETS FOR FLAT-TOP CONVEYOR CHAINS

SINGLE WIDTH-MADE-TO-ORDER



STEEL AND CAST IRON FOR NOS. FT-1560K4, BFT-1560K4, AND DBF-1560K4, 11/2-INCH PITCH CHAINS

Roller Digmeter = 1%2"



LIST PRICES AND DIMENSIONS

				Standa Lgth. T	rd Hub hrough ore		List P	rices -	Гуре В ed Stee	ı		List P Har	rices—'	Cype B	december 1		List P	ast Irc	Гуре С	
*Num- ber of Teeth	Pitch Diam- eter	Root Diam- eter	Outside Diam- eter	Type B Sprock- et	Type C Sprock- et	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each %" Extra Hub Lgth.	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra Mub Lgth.	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For Each Extra 14" Hub Lgth.
6 6½ 7 7½ 8	3.000 3.228 3.457 3.688 3.920	2.759		114		\$5.00 5.10 5.20 5.30 5.40	6.00 6.10 6.20	6.00	6.90 7.00 7.10	.20	7.10 7.20 7.40	8.30	\$7.90 8.00 8.10 8.30 8.50	8.90 9.00 9.20	.30					
8½ 9 9½ 10 10½	4.152 4.386 4.620 4.854 5.089	3.917 4.151 4.385	4.700 4.940 5.190	113		5.60 5.75 5.90 6.05 6.25	6.80	6.65 6.80	7.55 7.70 7.85	.30	8.00 8.30 8.60	8.90 9.20 9.50	8.90 9.20 9.50	9.60 9.80 10.10 10.40 10.90	.60					
11 11½ 12 12½ 12½	5.324 5.560 5.796 6.032 6.268	5.327	5.900 6.150 6.380	11/2 11/2 11/2		6.50 6.80 7.10 7.40 7.70	7.80 8.10 8.40	7.80 8.10	8.80 9.10 9.40	.50	9.50 9.80 10.10	10.20 10.50 10.80 11.10	10.50 10.80 11.10	11.50 11.80 12.10	.60					
13½ 14 14½ 15 15½	6.504 6.741 6.978 7.215 7.452	6.272 6.509 6.746	7.110 7.340 7.590	112	2¼ 2¼ 2¼	9.30	9.50 9.90 10.30	9.50 9.90 10.20	10.10 10.50 10.90 11.30 11.70	.60 .60	11.20 11.60 12.00	11.80 12.20 12.60 13.00 13.40	12.20 12.60 13.00	13.20 13.60 14.00	.70 .70	\$7.35	\$8.25 8.35	\$8.25	\$9.15	\$0.15 .15
16 16½ 17 17½ 18	7.689 7.926 8.163 8.401 8.638	7.457 7.694 7.932	8.300 8.640 8.780	116	214 214 214 214 214	10.50 10.90 11.30	11.60 12.00 12.40	11.60 12.00 12.40	12.70 12.70 13.10 13.50 13.90	.70 .80	13.20 13.70	13.90 14.30 14.80 15.30 15.80	14.30 14.80 15.30	15.40 15.90 16.40	1.00 1.00	7.60 7.70 7.80	8.50 8.60 8.70	8.40 8.50 8.60 8.70 9.00	9.40 9.50 9.60	.15
18½ 19 19½ 20 20½	8.875 9.113 9.350 9.589 9.826	8.644 8.881 9.120	9.260 9.500 9.740 9.980 10.220		214 214 214 214 214 214	12.60 13.10 13.60	13.70 14.20 14.70	13.70 14.20 14.70	14.30 14.80 15.30 15.80 16.30	1.00	16.20 16.70	16.30 17.30 17.80 18.30 18.30	17.30 17.80 18.30	18.40 18.90 19.40	1.20	8.20 8.35 8.50	9.15 9.30 9.45 9.60 9.75	9.30 9.45 9.60	10.25 10.40 10.55 10.70 10.85	.20 .20
21 21½ 22 22½ 23½	10.302 10.540 10.778	9.833 10.071 10.309	10.460 10.700 10.940 11.170 11.420	113	21/2 21/2 21/2 21/2 21/2 21/2	15.10 15.60 16.10	16.20 16.70 17.20	16.20 16.70 17.20	16.80 17.30 17.80 18.30 18.80	1.30 1.40 1.50	18.70 19.20 19.70	19.30 19.80 20.30 20.80 21.40	19.80 20.30 20.80	20.90 21.40 21.90	1.50 1.60 1.70	8.95 9.10 9.30	10.05	10.05 10.20 10.40	11.15 11.30 11.50	.20 .20
23½ 24 24½ 25	11.492	11.02 11.26 11.49	11.656 311.896 12.136 912.376	11/2	21/2 21/2 21/2 21/2 21/2	17.60 18.10 18.60	18.70 19.20 19.70	18.70 19.20 19.70	19.30 19.80 20.30 20.80	1.80 1.80 1.90	21.50 22.10 22.70	22.00 22.60 23.20 23.80	22.60 23.20 23.80	23.70 24.30 24.90	1.90	9.80	10.75 10.90 11.06 11.20	10.90	12.00	20

EXTENDED PIN TYPE Silverlink CONVEYOR CHAIN

A CONVENIENT, ECONOMICAL MEANS FOR MOUNTING TUBING OR CROSS RODS IN PARALLEL FOR CONVEYING AND TIMING PURPOSES

MADE IN STANDARD AND EXTENDED PITCHES

Roller Chains with extended pins are extensively used for timing and conveying purposes. It is a most convenient and economical arrangement for mounting tubing or special cross flights between two parallel chains.

Pins may be assembled in pairs or singly, as shown, the spacing to be a multiple of the pitch.

The diameters of pin extensions shown in the table are slightly larger than joint diameters. A radius interposed between the oddiameters maintains full strength. This construction provides a practical means of retaining outside hars in position, particularly when requirements call for a pair of pins to project from an individual sidebar.

Prices on application.



Conveying medium of this automatic spraying unit consists of extended pitch roller chains with vertically extended pins at 3 inch intervals for mounting the product carrying medium.



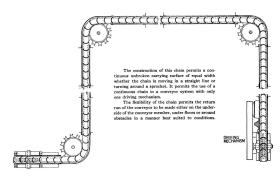
PLAIN CHAINS—PAGES 134 AND 159 SPROCKETS—PAGES 58-80 AND 138-147

	DIA	ENSIONS		
Link-Belt Chain Number	Pitch	Width of Roller	Diameter "D"	Extension
	STANDAR	D PITCH CH	IAINS	
RC-35 RC-40 RC-41 RC-50 RC-60 RC-80 RC-100 RC-120 RC-140 RC-146	1112	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	156 156 200 156 156 156 156 156 156 156 156	3 8 8 8 10 10 10 10 10 10 10 10 10 10 10 10 10
RC-200	EXTENDED	PITCH CH	IAINS	1%
RC-1050	114	18	11/41	13/2

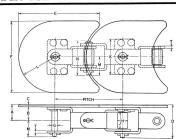
UNIVERSAL CARRIER . . . Silverlink CONVEYOR



Universal Carrier Chain is an accurately made, finished steel chain equipped with smooth, uniform, steel top plates. It carries containers—bottles, jars, cans in the process of manufacture, and in cleaning, filling and capping operations around corners, without sliding. No dead plates or turn tables required, a simple conveyor chain with unlimited paths of travel, permitting as it does sprocket engagement in two planes. This feature makes it practical for use on exceptionally long conveyors in place of several short transfer conveyors from one machine to another. Its extreme flexibility permits conveyors to be arranged to clear machines and other obstructions, as it operates in retangular, circular, semi-circular or irregular paths.



CHAIN FOR TWO PLANE OPERATION



THIS CHAIN CAN BE FURNISHED AS FOLLOWS:

- 1. All Steel Construction
- Steel Chain with Stainless Steel Top Plates
 All Stainless Steel Construction
 - SPROCKETS ON PAGE 155



LIST PRICES, DIMENSIONS AND WEIGHTS

-			1	-		-	- 20				Re	ller	1		T	to beautiful		Approx.
Link-Belt Chain Number	Pitch	Description	Price, per foot	A	В	с	D	R	F	Pin Diam. G	Diam.	Width	K	L	м	N	т	Weight per foot
UC-2469-31/4 (31/4" Top Plate)	3	Steel Chain with Stainless Steel Top Plate	\$3.50 5.60	.707	.582	.125	1.420	3%	31/4	.232	15/2	.750	15%	1%	.712	1.400	.094	2.47
UC-2469-4½ (4½° Top Plate)	3	Steel Chain Steel Chain with Stainless Steel Top Plate	\$3.70 5.90	.707	.582	. 125	1.420	329/2	41/2	.232	156	.750	15%	21/4	.712	1.400	.094	2.98
UC-2469-7 (7" Top Plate)	3	Steel Chain with Stainless Steel Top	\$4.50 6.75	.832	.707	.125	1.544	43%	7	.232	156	.750	15%	31/2	.712	1.400	.094	4.44

UNIVERSAL CARRIER CHAIN WITH TOP PLATES PADDED WITH TRANSITE FOR HANDLING HOT GLASSWARE

Universal Carrier Chain is available with Transite pads on the top plates for use in handling hot glassware through process of manufacture. Transite is an insulator or poor conductor of heat, so that hot glassware may be set on it without danger of checking. Holes are provided through the chain top plates and through the Transite pads for passage of air. Transite pads are attached with two screws, making them easily removable.





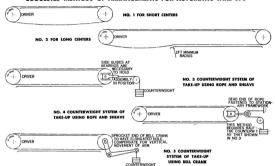
Chain photographed lying on glass to illustrate by reflection its underside

UNIVERSAL CARRIER CONVEYOR CHAIN

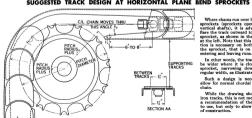
Some suggested methods of arranging for automatic take-up to compensate for expansion, contraction and wear in connection with Universal Carrier Chain Installations are shown in the following diagrams.

We shall be glad to work with you on your conveying problems and recommend the layout most suitable for your particular work.

SUGGESTED METHODS OF ARRANGEMENTS FOR AUTOMATIC TAKE-UPS



SUGGESTED TRACK DESIGN AT HORIZONTAL PLANE BEND SPROCKETS



Where chains run over horizontal sprockets (sprockets operating on vertical shafts), it is advisable to flare the track outward toward the sprocket, as shown in the drawing at the left. Note that this construction is necessary on both sides of the sprocket, that is on both the

In other words, the track should be wider where it is close to the sprocket, narrowing down to its regular width, as illustrated.

Such a design is necessary to allow for normal chordal action of

While the drawing shows a iron tracks, this is not meant to be a recommendation of the material to use, but only to show the type of construction.

UNIVERSAL CARRIER CHAIN SPROCKETS

UC-2469 Universal Carrier Chain is operated on accurately made cut tooth sprockets of either cast iron or steel. 11 teeth is the smallest sprocket on which the chain will articulate in a horizontal plane. Dimensions of sprockets are given below. Diameters, bores and hub lengths can be made to suit requirements.

FOR VERTICAL SHAFTS

Flange on one side of sprocket acts a track for one side of chain when che operates in a horizontal plane. A re-must be provided for other side of ch-around sprocket. The flange is not no sary on sprocket contacting return stra

FOR HORIZONTAL SHAFTS e as Vertical Shaft except









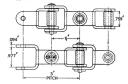
DIMENSIONS

No. of Teeth	Pitch Diameter P.D.	Root Diameter R.D.	Outside Diameter O.D.	HubLgth H	No. of Teeth	Pitch Diameter P.D.	Root Diameter R.D.	Outside Diameter O.D.	HubLeth H	No. of Teeth	Pitch Diameter P.D.	Root Diameter R.D.	Outside Diameter O.D.	HubLeth
11 12 13 14 15 16 17 18 19 20 21 22 23	10.648 11.591 12.535 13.482 14.429 15.378 16.327 17.276 18.227 19.177 20.128 21.080 22.032	10.179 11.122 12.066 13.013 13.960 14.909 15.858 16.807 17.758 18.708 19.659 20.611 21.563	10.984 11.830 12.798 13.752 14.708 15.664 16.621 17.577 18.534 19.490 20.447 21.404 22.360	214 214 214 214 214 214 214 214 214 214	25 26 27 28 29 30 31 32 33 34 35 36 37	23 936 24 889 25 841 26 794 27 747 28 700 29 653 30 607 31 560 32 514 33 467 34 423 35 375	23 467 24 420 25 372 26 325 27 278 28 231 29 184 30 138 31 091 32 045 32 998 33 954 34 906	24.273 25.229 26.186 27.143 28.099 29.056 30.011 30.966 31.922 32.877 33.833 34.788 35.744	233333333333333333333333333333333333333	38 39 40 41 42 43 44 45 46 47 48 49 50	36,329 37,282 38,236 39,190 40,144 41,098 42,052 43,007 43,961 44,915 45,869 46,824 47,778	35.860 36.813 37.767 38.721 39.675 40.629 41.583 42.538 42.538 43.492 44.446 45.400 46.355 47.309	36.699 37.655 38.610 39.565 40.521 41.476 42.432 43.387 44.342 45.298 46.253 47.209 48.164	333333333333333333333333333333333333333
23 24	22.032 22.984	21.563 22.515	22.360	234	37	35.375	34.906	35.744	3	50	47.778	47.309	48.164	3

NO. U-2469 TWO-PLANE BEND CHAIN

U-2469 is an accurately made finished steel roller chain which will operate over sprockets in both horizontal and vertical planes. Meets the demand for a chain for low speed power transmission and conveyor service using extended pins. Operates on cut tooth sprockets the same as UC-2469 Chain listed above. Prices on application.





HORIZONTAL PLANE BEND . . . CONVEYOR CHAIN



Chain photographed lying on glass to illustrate by reflection its underside

The Horizontal Plane Bend Chain is an accurate allsteel chain with top plates for carrying bottles, cans, and many types of containers or materials, through filling, closing, and capping operations in the botting and canning industries, in exhaust boxes, and longer conveyors where heavier working loads are encountered. It operates over sprockets mounted on vertical shafts. This chain is a strong chain of good wear value. The top plates are uniform in thickness, are beveled on all top sides, so that all types and sizes of containers may be carried without tipping or catching on the edge of the top plates.

Chain can be furnished as follows:

- 1-All Steel Construction
- 2-Steel Chain with Stainless Steel Top Plate
- 3-All Stainless Steel Chain

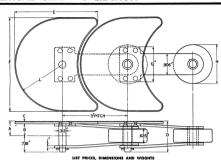
HORIZONTAL PLANE BEND CHAIN WITH TOP PLATES PADDED WITH TRANSITE FOR HANDLING HOT GLASSWARE



Chain photographed lying on glass to illustrate by reflection its underside

This chain is available with Transite pads on the top plates for use in handling hot glassware through processes of manufacture. Transite is an insulator or a poor conductor of heat, so that hot glassware may be set on it without danger of checking. Holes are provided through the chain top plates and through the Transite pads for passage of air. Transite pads are attached with two screws, making them easily renewable. Prices on application.

FOR VERTICAL SHAFT OPERATION



Link-Belt Chain Number	Pitch	Description	Price, per foot	A	В	с	D	Е	P	н	L	Weigh per foot
		Steel Chain	\$ 3.20									
RC-2480-3¼ (3¼* Top Plate)	3	Steel Chain with Stainless Steel Top Plates	5.30	.695	.570	1/8	1.433	3%	31/4	5%	15%	2.5
		All Stainless Steel Chain	9.50									
		Steel Chain	3.40								-	
RC-2480-4½ (4½" Top Plate)	3	Steel Chain with Stainless Steel Top Plates	5.60	.695	.570	3/6	1.433	329/2	41/2	5/8	23/4	3.0
	İ	All Stainless Steel Chain	9.80									
		Steel Chain	4.20									
RC-2480-7 (7" Top Plate)	3	Steel Chain with Stainless Steel Top Plates.	6.40	.820	.695	1/6	1.558	4%	7	5/8	31/2	4.5
		All Stainless Steel Chain	10.60									1
		Steel Chain	3.70									
RC-2485-31/4 (31/4" Top Plate)	3	Steel Chain with Stainless Steel Top Plates	5.80	.695	.570	1/6	1.433	3%	31/4	134	15%	4.0
		All Stainless Steel Chain	11.00	1								
		Steel Chain	3.90									
RC-2485-4½ (4½* Top Plate)	3	Steel Chain with Stainless Steel Top Plates	6.10	.695	.570	1/6	1.433	3796	41/2	1¾	23/4	4.5
		All Stainless Steel Chain	11.30	1							1	
		Steel Chain	4.70									
RC-2485-7 (7° Top Plate)	3	Steel Chain with Stainless Steel Top Plates	6.90	.820	.695	1/6	1.558	4%	7	134	31/2	6.0
		All Stainless Steel Chain	12.10	1							l	1

SPROCKETS FOR HORIZONTAL PLANE BEND CHAIN

3-INCH PITCH-NOS. RC-2480 AND RC-2485 CHAINS Roller Diameter-RC-2480 = 1/4"; RC-2485 = 11/4" LIST PRICES AND DIMENSIONS-TYPE "B" STEEL SPROCKETS

			NO. R	C-2480	NO. R	C-2485	Standard		List Pric	es-Not	Hardened S	teel	L	ist Price	-Hard	ned Stee	
	*Number of Teeth	Pitch Diam.	Root Diam.	Outside Diam.	Diam.	Outside Diam.	Hub Length Through Bore	With Plain Bore	With One Key Seat	With One Set Screw	With Key Seat and Set Screw	For each Extra 1/4" Hub Length	With Plain Bore	With One Key Seat	With One Set Screw	Seat and Set Screw	rengen
В	111/2	10.649 11.120 11.591	5.831 6.290 6.751 7.214 7.679 8.147 8.615 9.083 9.553 10.023 10.495 10.966	6.910 7.380 7.850 8.320 8.800 9.270 9.740 10.220	5.165 6.089 7.022 7.958 8.899 9.841	10.040 11.030 12.020	156 156 156 178 178 178 178 178 178 178 178	\$ 9.10 10.15 11.20 12.25 13.30 14.35 15.40 16.45 17.50 18.55 19.60 20.65 21.70 22.75	11.15 12.30 13.35 14.60 15.65 16.70 17.75 18.80 19.85 20.90 21.95 23.00	11 .15 12 .30 13 .35 14 .60 15 .65 16 .70 17 .75 18 .80 19 .85 20 .90 21 .96 23 .00	15.90 16.95 18.00 19.05 20.10 21.15 22.20 23.25 24.30	\$0.60 .70 .70 .80 .90 1.10 1.20 1.40 1.50 1.70 1.70	13.15 14.30 15.45 16.60 17.75 18.90 20.05 21.20 22.45 23.70 24.95 26.20	14.25 15.40 16.55 17.90 19.05 21.20 21.35 22.50 23.75 25.00 26.25	14.25 15.40 16.55 17.90 19.05 21.20 21.35 22.50 23.75 25.00 26.25 27.50	\$14.10 15.35 16.50 17.65 19.20 20.35 21.50 22.65 23.80 25.06 26.30 27.56	.70 .90 .90 1.00 1.10 1.40 1.50 1.70 1.80 1.90
	tire-			1	YPE	"C"	STEE	LAN				PROCK	ETS		ices Ce		
c	16½ 17 17½ 18 18½ 19 19½ 20 20½ 21½	13 .008 13 .482 14 .430 14 .904 15 .378 16 .328 16 .802 17 .751 18 .227 17 .751 18 .227 19 .653 20 .129 20 .604 21 .557 22 .032 22 .508	12 383 12 857 13 331 13 381 14 279 14 753 15 227 15 703 16 177 15 703 16 177 17 126 17 602 18 076 18 553 19 028 19 504 19 504 19 979 20 455 20 932 21 407 21 887	13 070 13 550 14 020 14 500 14 970 15 450 16 400 16 880 17 780 18 250 18 250 19 210 20 640 21 110 21 590 22 370 22 370 23 5020	11 732 12 680 13 628 14 578 15 527 16 477 17 428 18 379 19 330 20 282	14 950 15 920 16 880 17 850 18 810 19 770 20 740 21 700 22 670 23 630	***************************************	\$28.80 29.25 29.70 30.60 31.50 31.50 31.50 32.40 32.85 33.30 34.05 34.80 35.55 36.30 38.20 40.90 42.30 44.50 45.10 46.50	\$30, 30 30, 75 31, 20 31, 265 32, 10 32, 55 33, 45 33, 45 34, 80 35, 75 36, 50 37, 25 41, 20 42, 60 44, 00 45, 40 47, 20	\$30.30 30.75 31.20 31.65 32.10 32.55 33.05 33.45 33.45 33.45 33.55 36.30 37.80 37.80 37.80 39.70 41.00 42.40 45.20 46.60	32.257.15.258.333.69.50.258.333.40.50.50.35.335.35.35.35.35.35.35.35.35.35.35.35	\$0.50 .50 .50	12 35 12 80 13 25 13 70 14 15 14 505 15 50 15 95 16 90 17 40 17 40 18 90 19 40 20 10 20 80 21 50 22 20	\$13 .30 13 .75 14 .20 14 .65 15 .10 15 .55 16 .00 16 .45 16 .90 17 .35 17 .80 18 .80 19 .80 19 .80 20 .50 21 .00 22 .40 23 .80 24 .50	\$13.30 13.75 14.25 14.65 15.10 15.55 16.00 16.45 16.90 17.35 18.30 18.30 19.30 20.30 20.30 20.30 20.30 22.20 22.20 22.30 24.30	\$14.70 15.15 15.60 16.05 16.50 17.40 17.85 18.30 18.70 20.20 20.20 21.20 21.20 21.20 22.40 23.80 24.50 25.20	56.56.56.56.56.56.56.56.56.56.56.56.56.5

970 450 22 .187 25 .550 930 410 23 .140 26 .510 23 24 24 25 25 26 26 27 27 28 28 29 29 30 31 31 32 32 33 33 34 34 35 35 36 36 HARRING CONTROL CONTRO 50551525555555556666666677172747777879882888888 24, 30 25, 70 26, 410 27, 850 28, 29, 20 28, 20 28, 20 28, 20 31, 30 32, 70 33, 410 34, 85 36, 25 36, 25 37, 75 38, 25 40, 75 41, 20 42, 20 43, 44, 45 45, 20 46, 2 937 22 413 23 880 24 365 24 842 25 796 26 747 27 224 27 770 26 6747 27 224 27 777 28 654 29 608 29 085 30 560 30 5 312 24 788 24 265 25 740 25 217 26 693 26 170 27 645 27 122 28 599 28 86535566414708869386814865868698686 60 60 60 60 60 60 60 60 60 60 70 70 70 70 70 70 880 .880 .360 24 .092 .840 .310 25 .045 .790 .270 25 .997 .750 .220 26 .951 552 29 029 30 506 30 983 31 660 ... 130 28

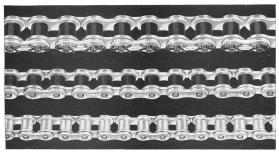
page 138.

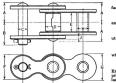
of teeth is tested the

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STANDARD PITCH CONVEYOR CHAINS

MANUFACTURERS' (A.S.A.) STANDARD SIZES





These standard pitch conveyor chains are made in accordance with Manufacturers' (A. S. A.) Standards and are carried in stock. ATTACHMENTS

Standard attachments for these chains are also carried in stock. List Prices and dimensions are on the following pages. SPROCKETS

Stock sprockets which are available from Link-Belt warehouses and distrib-utors are listed on Pages 58-65. Made-to-order sprockets—pages 66-87.

CORROSION RESISTANT CHAINS Pages 162-167 give complete data on chains of Stainless Steel and Bronze which can be supplied in plain chain and attachments.

EXTENDED PITCH ROLLER CONVEYOR CHAINS For conveyor chains of longer pitch than those listed on this page, refer to

Extended Pitch Conveyor Chains on pages 133-137, which are furnished in pitches 1" to 3" with either straight or relieved sidebars, and with standard or large diameter rollers.

	lP∏	гсн →	PITC		LIST PR	Fa	r operations				reyor (Chains	, see p	age 13	2.		
		1	L	ST PRIC	ES					telephone and	-	Ro	ller		_		
Link-Belt Chain Number	Pitch		Chain Foot Riveted Type	Connect- ing and Coupler Links, ea.	Parts Roller Links, each	Offset Links, each	Average Ultimate Strength, Pounds (Actual Tests)	Wt., per Foot	A	В	Pin Diam. C	Diam.	Width E	F	a	Bush. Diam. H	J
© 1RC-35 1RC-40 1RC-41 1RC-50 RC-60 RC-80 *RC-100 *RC-120 *RC-160	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$1.00 1.70 2.00 2.60 3.00 3.60	\$0.50 .70 .36 .74 .90 1.60 2.00 2.60 3.00 3.60	\$0.08 .08 .04 .08 .10 .16 .22 .34 .48	\$0.08 .08 .04 .10 .10 .20 .30 .50 .60	Ø80.18 .22 Ø .16 .22 .32 .52 .52 .68 .80 .90 1.00	2,100 3,700 2,000 6,100 8,500 14,500 24,000 34,000 46,000 58,000	.2 .41 .277 .64 1.0 1.68 2.56 3.73 4.65 6.32	.231 .314 .268 .398 .489 .615 .754 .940 1 .022 1 .228	.741 .882 1.116	.200 .234 .312 .375 .4375 .500	.200 .312 .306 .400 .154 .58 .34 .78 .1	36	.286 .386 .310 .475 .600 .750 .31/2 .13/8 .13/8	.344 .451 .383 .545 .710 .906 114 134 134	.200	.050 .060 .050 .080 .094 .125 .156 .218

Chains marked (*) are not carried in stock in the riveted type. IRiveted type only. @Rollerless. @RC-35 and RC-41 Offset Links are 2-pitch as standard. For list prices of other sizes of 2-pitch offsets, use list prices of offset links, plus list prices of the plants.

STANDARD PITCH . . . (A-1, K-1, M-1 AND M-35 ATTACHMENTS)

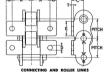
MANUFACTURERS' (A.S.A.) STANDARD SIZES





A-1 ATTACHMENTS





K-1 ATTACHMENTS

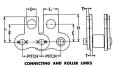
		DIA	MENSIONS—A	1 AND K-1	ATTACHMEN	TS			
Treeb	Rol	ller	Number of						_
Pitten	Diam.	Width	per Foot	^			-		
3.6	. 200	36	32.00	36	34	3/2	5 ús	%	.05
1/2	.312	216		1/2	3/6	1/8	3/8	3/6	.06 .05 .08
1/2	.306	14		15/2	1364	1/8	26	3/4	.05
28		28		28	1/32	266	29	29	.08
,74	72	23		, 24	23	78	1 78	216	222
11/	28	23	12.00	11/	28	179	1,74	73	28
1124	24	174		133	1239	122	100	1239	798
132	128	î		132	11/2	120	132	124	716
24	114	îw		224	112	11/2	172	62	177
	Pitch 3 8 1/2 1/2 1/2 1/2 1/2 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4	Pitch Diam.		Polich Roller Diam. Wigniber of Wignib	Pitch Roller Nighter of A Profession Nighter of	Pitch Dislor Wolfs Wilson A C	Policy P	Policy P	Policy P

Link-Belt Chain Number	Pitch	Amount to to List Pri Chain for tachme	in Chain to be added ice of Plain reach at- nt Link	List Pric plete at: Link not in C	d Loose e of com- tachment assembled chain	List Price Chain (Attach	Without ments)	Assembled Amount to to List Pric Chain for tachmen	be added to of Plain each at- t Link	List Pric plete at Link not in C	d Loose te of com- techment assembled chain	Chain (e of Plain Without iments)
		Connect. Links, ca.	Roller Links, ea.	Connect. Links, ca.	Roller Links, es.	Cotter Type	Riveted Type	Connect. Links, ea.	Roller Links, es.	Connect. Links, ca.	Roller Links, es.	Cotter	Riveted
			A-1 ATTA		K	-1 ATTA	CHMENTS						
*RC-35 *RC-40 *RC-41 *RC-50 RC-60 RC-80 RC-100 RC-120 RC-140 RC-140	11/2	\$0.19 .19 .19 .19 .21 .31 .49 .66 .90	\$0.22 .22 .22 .22 .25 .30 .44 .68 .93 1.26	\$0.15 .16 .15 .17 .25 .28 .42 .65 .88 1.20	\$0.17 .18 .17 .19 .30 .34 .50 .78 1.05 1.44	\$1.00 1.70 2.00 2.60 3.00 3.60	\$0.50 .70 .36 .74 .90 1.60 2.00 2.60 3.00 3.60	\$0.22 22 22 22 28 32 47 73 98 1.35	\$0.26 .26 .26 .26 .35 .42 .59 .94 1.23 1.71	\$0.17 .18 .17 .19 .32 .35 .52 .81 1.09 1.50	\$0.20 .21 .20 .22 .36 .42 .60 .95 1.26 1.74	\$1.00 1.70 2.00 2.60 3.00 3.60	\$0.50 .70 .36 .74 .90 1.60 2.00 2.60 3.00 3.60

Silverlink ROLLER CONVEYOR CHAINS







For dimensions of plain chain, see page 159.

M-1 ATTACHMENTS

DIMENSIONS-M-1	AND	M-35	ATTACHMENTS

Link-Belt Chain	Pitch	Roller		Number of Pitches.		Е	н	h	1	
Number	Piten	Diam.	Width	per Foot	D		n			
*RC-35 *RC-40	38	.200	36	32.00 24.00	1/9	3/9	17/4	17/49	36	.05
*RC-41	12	.306 .400	1/4	24.00	128	27 <u>2</u>	43/64	4564	3%	.05
*RC-50 RC-60	56	.400	3/6	19.20 16.00	36	11/6	1116	156	32	.08
RC-80 RC-100	11/4	18	88	12.00 9.60	12	1/3	1112	13%	,34	18
RC-120	i%	38	124	8.00	34	10%	21/8	115%	11/6	34
RC-140 RC-160	134	134	11/4	6.86	178	134	215/2	21/4	13%	12

LIST PRICES—M-1 AND M-35 ATTACHMENTS																
Link-Belt Chain Number	Pitch	Amount to to List Pr Chain fo	d in Chain to be added ice of Plain reach at- nt Link	List Pric	d Loose e of com- tachment assembled	List Price Chain (Attach	Without	Assembled Amount to to List Pric Chain for tachmen	be added e of Plain each at-	Shipped List Price plete attr Link not a in Cl	of com- echment	List Price of Plair Chain (Without Attachments)				
- 1		Connect. Links, ea.	Roller Links, ea.	Connect. Links, ea.	Roller Links, ca.	Cotter Type	Riveted Type	Connect. Links, ea.	Roller Links, ea.	Connect. Links, ea.	Roller Links, ca.	Cotter Type	Riveted Type			
			M-1 ATT	ACHMENTS				M-35 ATTACHMENTS								
*RC-35 *RC-40 *RC-41 *RC-50	1000	\$0.18 .18 .18	\$0.21 .21 .21 .21	\$0.14 .15 .14 .16	\$0.16 .17 .16 .18		\$0.50 .70 .36 .74	\$0.15 .15 .15 .15	\$0.18 .18 .18	\$0.12 .13 .12 .14	\$0.14 .15 .14 .16	:::::::	\$0.50 .70 .36 .74			
RC-60 RC-80 RC-100	114	.24 .29 .40	.32 .36 .52	.29 .33 .48	.34 .38 .56	\$1.00 1.70 2.00	1.60 2.00	.17 .20 .24	.24 .29 .40	.24 .27 .39	.29 .33 .48	\$1.00 1.70 2.00	1.60 2.00			
RC-120 RC-140 RC-160	132 134 2	.64 .85 1.17	1.11 1.53	1.00 1.38	1.18 1.62	2.60 3.00 3.60	2.60 3.00 3.60	.44 .60 .81	.64 .85	.62 .84 1.14	1.00 1.38	2.60 3.00 3.60	2.60 3.00 3.60			

LINK-BELT 161

*Prices listed cover riveted type only-Prices of detachable type chain on request.

CORROSION RESISTANT . . . ROLLER CHAINS



The rate of corrosion of a metal is dependent on many variables such as temperature, concentration, and degree of aeration of the corrosive agent as well as the physical condition of the material used in the chain. Care must be taken to avoid electrolytic action or chains will show excessive corrosion. Considering all these variables it would be impractical to tabulate data covering the rates of corrosion for the various agents. The control of the cont

- A-Fully Resistant
- B-Satisfactorily Resistant
- C-Fairly Resistant D-Slightly Resistant

E—Not Resistant

Obviously these designations must be arbitrary, yet they do have a basis in some practical experience with the type of various corroding media. The designation "fully resistant" means that laboratory tests indicate a penetration of less than .0042° in one year. It should be noted that in a laree number of cases the

rate of corrosion is not uniform.

All of these data should be considered as results of laboratory tests and as being indicative as a basis for general recommendation only and not from the stand-

point of any guarantee.

It is highly desirable wherever possible to subject a small length of chain to the actual operating conditions before making a decision through the fact that there are so many variations which materially affect results which on the surface seem of small importance.

STAINLESS STEEL Link-Belt Stainless Steel Chains are fabricated

from 18-8 chrome nickel stainless steel which provides the greatest resistance to corrosion of any of the commercial stainless steels. Heat resisting properties are also afforded in these chains. The material used in fabricating these chains has a scaling temperature of approximately 1650 degrees Pahrenheit.

Horse power ratings of Stainless Steel Chain at normal temperatures are 25% of the ratings of Standard Steel Chain as given on pages 30-39.

RPONZE

Link-Belt Stainless Steel Chains, though higher in cost than Bronze Chains, have higher ultimate strength, and better wear resistance. Bronze Chains will show discoloring when in contact with food products and are not recommended for this type of service, so Stainless Steel Chains are usually more desirable. Bronze Chains have excellent corrosion resistance to certain re-agents.

TABLE OF CORROSION RESISTANTS

Substance	Temperature or Condition	18-8 Stainless Steel	Bronze	Substance	Temperature or Condition	18-8 Stainless Steel	Bronz	
Acetic Acid		-		Acetone	Boiling	Α.	A	
5% Agitated	70°	A .	В		70°	A	A	
5% Aerated	70°	A	В	Acetyl Chloride	70°	B	C	
10% Agitated	70°	A	В	Acid Mine Water	70°	A	D	
10% Acrated		A	B	Acid of Sugar				
20% Agitated		A	C	(See Oxalic Acid)				
20% Acrated.	70°	A	C.	Alcohol (Ethyl)	70°	l a l	A	
50%		A	B		Boiling	A	Ä	
50%	Boiling	C	B	Alcohol (Methyl)	70°	A	A	
80%	70°	Ä	В	Alcohol (Methyl)	150°	*C	A	
80%	Boiling	D	B	Alum (Chrome) 5%	70°	A	В	
100%		Ā	B	Alum (Potassium) (See Aluminum			_	
100%	Boiling	ĉ	B	Potassium Sulphate)				
100% 150 lbs. per Sq. In.	400°	E	Ē		Molten	R	R	
Acetic Anhydride	Boiling	Ã	B		Saturated	A	В	
Acetic Anhydride		Â	В		70°	n in	D	
Acetic Vapora 100%	West	17	č		70°	D D	B	
Acetic Vapors 30%	Hot	C	č		Saturated	A	Ā	

STAINLESS STEEL AND BRONZE

***** OF CORPORAL PROPERTY.

Substance	Temperature or Condition	18-8 Stainless Steel	Bronze	Substance	Temperature or Condition	18-8 Stainless Steel	Broc
Aluminum Potassium Sulphate		-	_	Borax 5%	Hot	Α	A
2% (Alum) 10% 10%	70°	A	В	Brimstone (See Sulphur)			
10%	70°	A	В	Bromine Water	70°	E	E
10%	Boiling	В	В	Buttermilk	70°	A	В
Saturated	Boiling	c	B	Butyric Acid 5%	70°	A	В
Saturated Aluminum Sulphate 10% Aluminum Sulphate 10%	70°	Ã	В	Butyric Acid 5%	150°	Ä	B
Aluminum Sulphate 10%	Boiling	A B	В	Calcium Bisulphite (Aqueous Solution) Specific Gravity 1.04			-
Saturated	70°	AB	В	Specific Gravity 1.04	Boiling	A	В
Saturated	Boiling	В	B	Specific Gravity at 300 lbs. per			-
Saturated	70°	A	Ē	So. Inch	400°	E	E
Ammonia Gas	Hot	n in		Sq. Inch	70°	Ā	Ā
Ammonia Liquor	70°	Ã	E	Calcium Chlorate Dilute Solution	70°	Ä	Ä
Ammonia Liquor	Boiling	Ä	HECU	Calcium Chlorate Dilute Solution	Hot	Ä	AB
Ammonia Liquor	70°	Ä	č	Calcium Chloride Concentrated	****		_
Ammonium Bicarbonate	Hot	Â	č	Solution	70°	**B	В
Ammonium Carbonate	*****			Coleium Hudsovide 1007	Boiling	Ã	
10% 50% atill	70°	A	c	Calcium Hydroxide 20%	Boiling	Â	2
1%, 5% still	70°	Â	C	Calcium Hydroxide 10% Calcium Hydroxide 20% Calcium Hydroxide 50%	Boiling	ĉ	A
Added	70°	â	Ď	Calcium Warnachlanida 1 04 Canaiga	Donnig	-	_^
Agitated	70			Calcium Hypochloride 1.04 Specific	100°	c	72
Agitated Ammonium Chloride (Sal Ammoniac) 1% Still Aerated	70°			Gravity	700	*B	E C E A A B B B A E
170 ouii	70°	A	~	Calcium Hypochlorite 2%	70°	D	1 6
Aerated	70°	A	, č	Calcium Oxycnioride 1%	70°	P	K
Agitated	Boiling	.^	1 5	Calcium Sulphate Saturated	Hot		٠.
Agitated 10% 28% 50% Ammonium Nitrate (All Concentra-	Boiling	*A	CCCAA	Cane Juice (Sugar Cane) Carbolic Acid C. P. (Phenol) Carbolic Acid Crude	Boiling	A A A	۱۵
28%	Boiling	*B	B B	Carbolic Acid C. P. (Phenoi)		^	
50%	Boiling	•в	ы	Carbolic Acid Crude	Boiling	A	B
Ammonium Nitrate (All Concentra-				Carbonated Water	70°	A	H
tion)			_	Carbon Bisulphide	70"	A	Δ
Aerated & Agitated	70°	A	D	Carbon Monoxide Gas	To 1600°	A	H
Saturated	Boiling	A	рвсвр	Carbon Tetrachloride Pure	70°	A	A
Ammonium Oxalate 5%	70°	A	В	Carbon Tetrachloride Aqueous 5%,			
Ammonium Persulphate 5%	70°	A	С	10%	70°	*c	I
Ammonium Oxalate 5% Ammonium Persulphate 5% Ammonium Phosphate 5%	70°	Ā	В	Carnallite—Cold Saturated Solution.	Boiling	B	В
	70°	В	D	Caustic Potash			
Ammonium Stannichloride Saturated	120°	E	Ē	(See Potessium Hudsovide)			
Ammonium Sulphote				Cellulose. Chinosol Aqueous Solution 1:500 Chloracetic Acid.		. A	A
1%, 5% Aerated & Agitated 1%, 5% Aerated & Agitated 10%	70°		C	Chinosol Aqueous Solution 1:500	70°		
10% 50% Aerated & Agitated	Boiling	*B	оооооовво	Chloracetic Acid	70°	4D 4 B C B C D 4 4 C D	r
10%	Boiling	*B	č	Chlorbensol Pure Concentrated	70°	l ã l	ALCHACALLE
Saturated	Boiling	*B	č	Chloric Acid	70°	F F	Ϊ́
Ammonium Sulphite	Cold	Ã	č	Chloric Acid Chlorinated Water Saturated	70°	*6	l ĉ
Ammonium Sulphite	Boiling	Â	ا ۃ ا		212°	E	È
Analine 20%	70°	Ä	ı ŏ	Chlorine Gas Dry Chlorine Gas Moist Chloroform	70°	~	1 7
Analine 3% Crude Concentration	70°	1 7 1	1 H	Chlorine Cas Maint	70°	1 5	1 6
Analine Hydrochloride	70°	A E	2	Chlorife das Moisc	70°		1 3
Antichlor (See Sodium Thiosulphate)	70	_ E	_	Charmin Anid 507	70°		1 6
Antichior (See Socium 1 mosuiphate)	Molten	E	E	Chromic Acid 5%	Boiling	☆	÷
Antimony Antimony Trichloride	70°	Ē	Ď	Chromic Acid 5% Chromic Acid 10% C. P. Chromic Acid 50% Com.*† SO ₃ Chrome Alum (See Alum Chrome)	Boiling		1 5
Antimony I richioride	70	-	ь	Chromic Acid 50% Com. 1 503	Bonning	-D	*
Argol (See Potassium Bitartrate)	1			Chrome Alum (See Alum Chrome)		1 .	
BakingSoda (See Sodium Bicarbonate)						1	١ .
Barium Carbonate	70°	A	A	(No Electrolysis)	70°	A	1
Barium Chloride 5%	70°	•A	В	Cider	70°	A	É
	Hot	*B	B	Citric Acid 5% Still	70°	A	E
Barium Chloride Saturated	70°	A	В	Citrie Acid 5% Still Citrie Acid 5% Still Citrie Acid 15% Still Citrie Acid 15%	150°	A	E
Barium Nitrate Aqueous Solution	Hot	A	В	Citric Acid 15% Still	70°	AB	E
Barium Sulphate Barytes-Blanc Fixe Beer	70°	A	A	Citric Acid 15%	Boiling	B	E
Beer		A	A		Boiling	C	E
Beet Juice (Sugar Beet)		Ā	A	Coca Cola Syrup (Pure)	70°	A	7
Benzine	70°	A	A A A E E	Coffee	Boiling	A	E
Seet Juice (Sugar Beet) Senzine Senzoic Acid	70°	Ā	A	Copperas (See Ferrous Sulphate)			i
	70°	A	A		70°	A	1
Bichloride of Mercury Dilute 0.1%	70°	A	E	Copper Carbonate Sat. Solution			
Bichloride of Mercury Dilute 0.1% Bichloride of Mercury Dilute 0.1% Bichloride of Mercury Dilute 0.7% Bichloride of Mercury Dilute 0.7%	Boiling	A .	Ē	Copper Carbonate Sat. Solution in 50% NH ₃ OH. Copper Chloride 1% Agitated. Copper Chloride 1% Agitated. Copper Chloride 5% Agitated. Copper Chloride 5% Agitated. Copper Chloride 5% Agitated. Copper Chloride 5% Agitated.		A	l E
Bichloride of Mercury Dilute 0.7%.	70°	В	E	Copper Chloride 1% Agitated	70°	*B	Ī
Biebloride of Mercury Dilute 0.7%	Boiling	D	Ē	Copper Chloride 1% Aerated	70°	*B	١ī
Bichrome (See Potassium Dichromate)		-	1 -	Copper Chloride 5% Agitated	70°	*B	1 6
		1	1	Copper Chloride 5% Aerated	70°	*E	l ŝ
Bleaching Powder (Chloride of I ima)	100°	c	С	Copper Cyanide Saturated	Boiling	A	1 5
Bleaching Powder (Chloride of Lime) Blood (Meat Juices)	Cold	*Ã	l k	Copper Nitrate 50% Aqueous	Hot	A	1 7
Blood (Meat Juices)	Cold	· A	^	Copper Pitrate 30% Aqueous	Boiling	Â	1 1 1
Blue Copperas (See Copper Sulphate)	1	1	1	Copper Sulphate Saturated Solution Corrosive Sublimate (See Mercuric	Ponnik	ı ^	1 1
Diue Daits (See Nickel Sulphate)	1	1	1	Corrosive Sublimate (See Mercuric	I	1	1
Blue Salts (See Nickel Sulphate) Blue Vitriol (See Copper Sulphate) Boracic Acid 5%		١.	١.	Chloride)	1	1	i
Boracic Acid 5%	Hot or Cold	A	A	Cream of Tartar (See Potassium Bitartrate)	1	1	1

CORROSION RESISTANT . . . ROLLER CHAINS

		iorr Oi	CORRO	SION RESISTANTS			
Substance	Temperature or Condition	18-8 Stainless Steel	Bronze	Substance	Temperature or Condition	18-8 Stainless Steel	Bronz
reosote (Coal Tar)	Hot	A	A	Magnesium Sulphate	Hot or Cold	A	В
reosote Oil	Hot	A	Α.	Malic Acid	Hot or Cold	В	В
upric Nitrate 50% Aqueous Solution	Hot	A	В	Manganese Chloride 10%-50%	Boiling	A	D
yanogen Gas	70°	A		Marsh Gas (Methane)		A	Ą
enitrochlorbenzol Melted & Solidified	70°	A	Α.	Mash	Hot	A	Ą
Developing Solutions	70°	A	E	Mayonnaise	70°	*A	A
Dichloro-Ethane	Boiling	A		Mercuric Chloride Dilute Solution		*E	E
utch Liquor (See Ethylene Chloride)	70°	_ A	A	Mercury Methano (See Alcohol Methyl)			E
Suggest Liquor (See Editylene Chioride)	70°	†A		Methyl Aldahyde 40% Aqueous Solu-			
Dyewood Liquor psomSalts (SeeMagnesiumSulphate)	7.0	I IA		tion	70°	A	
ther	70°	A	A	Milk, Fresh or Sour	Hot or Cold		Δ.
thyl Chloride (Dry)	70°	Ä	Ä	Mine Water Acid	70°	Ä	Ë
thyl Chloride (Dry)thylene Chloride (Dry)		A .	A	Molasses	70	Â	Ã
erric Chloride 1% Solution Still	70°	*†B	Ë	Muriatic Acid (See Hydrochloric Acid)		-	
erric Chloride 1% Solution Still	Boiling	*†D	E	Muriatic Acid (See Hydrochloric Acid) Mustard	70°	*A	A
erric Chloride 5% Solution Still	70°	*†D	Ē	Naphtha Pure or Crude	70°	Α.	Α.
erric Chloride 1% Solution Still erric Chloride 1% Solution Still erric Chloride 5% Solution Still erric Chloride 5% Solution Still erric Chloride 5% Solution Aerated erric Chloride 5% Solution Agitated	70°	*tC	E	Naphthalene Sulphonic Acid	70°	A	В
erric Chloride 5% Solution Agitated	70°	* C	Ē	Natron (See Sodium Carbonate)		1	1
erric Hydroxide		A	Ā	Nickel Chloride Solution	70°	*A	С
erric Hydroxideerric Nitrate 1%-5%	70°	Ä	Ď	Nickel Sulphate	Hot or Cold	A	В
erric Sulphate 1%-5% Aerated &					Fused	В	В
	70°	*A	D	Nitric Acid 5% Solution	70°	Ā	E
erric Sulphate 1%-5% Still	70°	*A	D	Nitric Acid 20% Solution	70°	A	E
erric Sulphate 1%-5% Stillerrous Sulphate Dilute Solution	70°	A	В	Nitric Acid 50% Solution	70°	A	E
luorine (Dry) ormalin 40% Solution Formaldehyde	70°	E	A	Nitric Acid 5% Solution Nitric Acid 20% Solution Nitric Acid 20% Solution Nitric Acid 50% Solution Nitric Acid 50% Solution Nitric Acid 65% Solution	Boiling	A	E
ormalin 40% Solution Formaldehyde		AB	B	Nitric Acid 65% Solution	Boiling	В	15
ormic Acid 5% Still. ormic Acid 5% Still. ruit Juices	70°	В	c		70°	A	E
ormic Acid 5% Still	150°	В	C	Nitric Acid Concentrated Solution	Boiling	D	E
ruit Juices	70°	A	A	Nitrous Acid 5% Solution	70°	A	
uel Oil	Hot	A C	A	Oil of Vitriol (See Conc. Sulphuric Acid)			
uel Oil Containing Sulphuric	Hot	C	С	Oils, Crude	Hot or Cold	†A	В
allic Acid 5% Solution	70°	l A	A	Oils, Vegetable, Mineral	Hot or Cold	†A	Α
allic Acid 5% Solution	150°	A	A	Oils, Crude Oils, Vegetable, Mineral Oleic Acid	70°	*A	В
uel Oil uel Oil Containing Sulphuric allic Acid 5% Solution allic Acid 5% Solution asoline asoline	70°	A	A	Oleum (See Sulphuric Acid, Fuming) Oxalic Acid 5% Oxalic Acid 10% Oxalic Acid 10% Palm Oil			
Hauber's Salt (See Sodium Sulphate)				Oxalic Acid 5%	Hot or Cold	A	A
lue Dry	70°	A	A	Oxalic Acid 10%	70°	A	A
lue Solution Acid lue Solution Acid lycerine	70°	*B	A	Oxalic Acid 10%	Boiling	D	В
lue Solution Acid	150°	*B	A	Palm Oil	70°	A	A
lycerine	70°	A	A		450°	*D	4.6
rape Juice ypsum (See Calcium Sulphate)	70°	A	A	Paraffine	Hot or Cold	A	A
ypsum (See Calcium Sulphate)				Pearl Ash (See Potassium Carbonate			1
ops		A	A	Pearl Ash (See Potassium Carbonate Perhydrol (See Hydrogen Peroxide) Petroleum		ı	
forn Silver (See Silver Chloride)		_	_	Petroleum	70°	A	В
lydrochloric Acid All Conc	70°	E	E	Petroleum Ether		A	A
lydrocyanic Acid (Dry)	70°	A E	A	Phenic Acid (See Phenol) Phenol		١.	_
ydrofluosilicie Acid	70°		6	Phenol.		_A	В
lydrogen Peroxide	Boiling	†A †B	, c	Phosphoric Acid 1%	70°	ØA	В
ydrogen Peroxide	Donnig	A	0000	Phosphoric Acid 5%	70°	l ĉ	B
Ludengen Gulebide West		†B	E	Phosphoric Acid 10%	70°	I A	E
lydrogen Sulphide—Dry lydrogen Sulphide—Wet lypo (Sodium Thiosulfate) nk	70°	A	Ĉ	Pink Slat (See Potassium Nitrate)	70	_ ^	E
de (soundin 2 mosunace)	,,,	†B	В	Pierie Acid	70°	A	
odine		R	F	Plaster of Paris	70°	A	Ä
doform		Ã	Ã	Potash (See Potassium Carbonate)		n n	^
odine doform doform ron Gall Ink erosene tetchup actie Acid 5% actie Acid 5% actie Acid 10%	Boiling	Â	B	Potassium Bitartrate Saturated	Boiling	В	A
erogene	70°	Ä	Ã	Potassium Bichromate	70°	Ā	Â
etchup	70°	*A		Potassium Bromide Potassium Carbonate 1% Potassium Carbonate	70°	*B	B
setic Acid 5%	70°	Ä	B	Potassium Carbonate 1%	70°	Ā	A
actic Acid 5%	150°	AB	В	Potassium Carbonate	Hot	Ä	В
actic Acid 10%	Boiling	D	В	Potassium Chlorate Potassium Chloride 1% Still Potassium Chloride 1% Aerated or		A	Ā
actic Acid 10%	150°	c	B	Potassium Chloride 1% Still	70°	*A	B
ard	70°	l a	A	Potassium Chloride 1% Aerated or			_
	Molten	В	E	Agitated	70°	A	В
ime Water (See Calcium Hydroxide)			1	Potassium Chloride 5% Still	70°	*A	В
ime Water (See Calcium Hydroxide) inseed Oil	70°	Α.	A	Agitated. Potassium Chloride 5% Still Potassium Chloride 5% Aerated or Agitated	-		1
unar Caustic (See Silver Nitrate)		-		Agitated	70°	A	В
ye (See Sodium or Potassium						1	1
Hydroxide)			1	tion 25%	Boiling	A	A
vsol		A	В	Potassium Ferricvanide 5%	70°	Ä	B
Ingresium Chloride 1%-5% Ingresium Chloride 1%-5%	70°	*A	c	Fortassium Derromate Aqueous Solu- tion 25%. Potassium Ferricyanide 5%. Potassium Hydroxide 27%. Potassium Hydroxide 50%.	70°	Ä	В
		*C	l c	Determine Westermide 0707	T1-111	A	c
Ingresium Chloride 1%-5% Ingresium Oxychloride		č	В				č

STAINLESS STEEL AND BRONZE

TABLE OF CORPOSION PESISTANTS Temperature 18.8 Temperature tainle Steel Condition Potassium Hypochlorite Concentrated Boiling Stearic Acid Potassium Nitrate 1%......
Potassium Nitrate 5%..... A Strontium Hydroxide..... Ã Strontium Nitrate Potassium Nitrate Sublimate (See Mercuric Chloride) Ā
 Potassium Nitrate
 Hot

 Potassium Oxalate
 70°

 Potassium Permanganate 5%
 70°

 Potassium Sulphate 1%-5%
 70°

 Potassium Sulphate 1%-5%
 Hot

 Potassium Sulphide (Salt)
 Hot

 Prussic Acid (See Hydrocyanic Acid)
 Hot
 AB Ã Hot B (See Calcium Sulphate) Sulphide of Sodium A (See Sodium Sulphide) в yrogallic Acid... A Sulphur Dry Quick Silver (See Mercury) Sulphur Wet •₽ uinine Bisulphate Dry Sulphur Chloride
Sulphur Dioxide Gas, Moist
Sulphur Dioxide Gas, Dry
Sulphur Monochloride Quinine Sisuppate Dry
Quinine Sulphate Dry
Quinosol Aqueous Solution 1:500
Red Liquor (See Aluminum Acetate)
Red Prussiate of Potash (See Potas-575° 705 Sulphuretted Hydrogen Sulphuretted Hydrogen
(See Hydrogen Sulphide)
Sulphuric Acid 5%
Sulphuric Acid 5%
Sulphuric Acid 10%
Sulphuric Acid 10%
Sulphuric Acid 10%
Sulphuric Acid 10% sium Ferricvanide) Molten в Boiling Chloride) CCCE Chloride) dammonia (See Ammonium Boiling Chloride) 70° Sal Soda (See Sodium Carbonate) . . . Salt (See Sodium Chloride) Sulphuric Acid Concentrated..... Sulphuric Acid Concentrated..... 300 alt of Tartar (See Potassium Sulphuric Acid Furning Sulphurous Acid, Saturated Sulphurous Acid Saturated Carbonate) Saltpeter (See Potassium Nitrate) Sea Water.... 60 lbs. per Sq. Inch..... Sulphurous Acid Saturated D IA B E Silver Bromide.... 150 lbs. per Sq. Inch.
Sulphurous Spray.
Sylvine (See Potassium Chloride) Silver Chloride..... *Ď Silver Nitrate..... A Syrup Tannic Acid Soda Ash Aqueous Solution 5 % Soda Ash Aqueous Solution 50 % ... Boiling Boiling Ä 70 AB Ä 150° ·A E Tannic Acid A EB Tanning Liquor Ã da Ash 70 dium Acetate Moist Tartaric Acid dium Bicarbonate All Concen-trations
Sodium Bicarbonate 5%
Sodium Bisulphate 10%
Sodium Bisulphate 1.38 Specific A A (See Stannic Chloride) 70% Tin Trichloracetic Acid Molten E Gravity
Sodium Carbonate 5%
Sodium Carbonate 5%
Sodium Charbonate 5%
Sodium Chloride 5%
Sodium Chloride 5%
Sodium Chloride 2% Trichlorethylene (Dry)
Trona (Natural Sodium Carbonate) Boiling A A A 70° Ã 150° AAAAABAAABABAC Turpentine Oil AB ABBB Uric Acid 70 150° Varnish Vegetable Juices A Vegetable Juices.
Vinegar Agitated or Aerated.
Vinegar Fumes.
Vitriol (See Sulphuric Acid)
Vitriol Blue (See Copper Sulphate)
Vitriol Green (See Ferrous Sulphate)
Vitriol Wite (See Zine Sulphate)
Vitriol White (See Zine Sulphate)
Washing Soda (See Sodium Carbonate) odium Chloride Saturated..... B Sodium Chloride Saturated...... BA Sodium Citrate..... 70 70° Sodium Chlorate..... A DCCCE Sodium Hydroxide Sodium Hydroxide Sodium Hypochlorite 5% Whiskey Whiting (See Calcium Carbonate) Α Sodium Hyposulphite..... Sodium Nitrate (Chili Saltneter).... 70° A A Sodium Perchlorate 10%.
Sodium Perchlorate 10%.
Sodium Perchlorate 10%.
Sodium Peroxide 10%. BBC AAAAB Boiling Wood Pulp..... Wort A Ä Sodium Sulphate All Concentrates... 70° Yatrene Saturated Solution..... Sodium Sulphide Saturated Yeast.... AE AECCCC Sodium Sulphite 1%—10%...... Sodium Thiosulphate 25%..... Spirit of Wine (See Ethyl Alcohol) 150° Ā Zinc. Molten *A A A A Boiling 70 Boiling Zinc Chloride 5%
Zinc Cyanide Moist
Zinc Nitrate
Zinc Sulphate 5%
Zinc Sulphate 25% Stannic Chloride 1.21 Specific Gravity Boiling EDC C Stannic Chloride. . Stannous Chloride Saturated..... Starch Solution

^{*} Subject to Pitting at air line.

[†] May attack when sulphuric acid is present.

CORROSION RESISTANT . . . ROLLER CHAINS

PLAIN CHAIN-MANUFACTURERS' (A.S.A.) STANDARD SIZES

Stainless Steel Chains are made to manufacturers' standard sizes in pitches $\frac{3}{8}$ " to $\frac{1}{8}$ " and in Bronze $\frac{1}{2}$ " to $\frac{3}{4}$ ".

Standard attachments can also be supplied as tabulated on the opposite page.

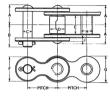
HORSE POWER RATINGS

Horse Power Ratings of Stainless Steel Chain operating at normal temperatures are 25% of the ratings of Standard Steel Chain as given on pages 30-39.

SPROCKETS

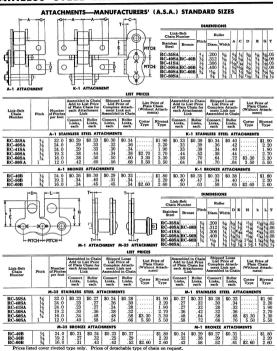
Sprockets for these chains are listed on pages 58-75.

Sprocket Wheels of special metals to provide resistance to corrosion and acid action can also be supplied.

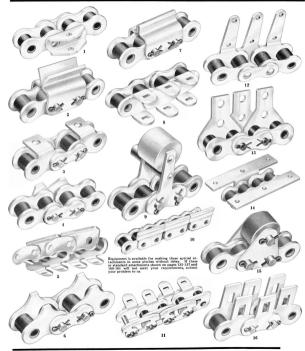


					LIST PRI		MENSION:	S AND	WEIGHTS									
		1	L	ST PRIC	ES		1	1	10.000	1						- 1		
Link-Belt		Plain	Chain	Parts		Average Load in	Average	Weight,				Rol	-					
Chain Number	Pitch	Cotter Type	Riveted Type	Connecting and Coupler Links, each	Roller Links, each	Offset Links, each	Pounds to	Strength, Pounds (Actual	per Foot	A	В	C Pin Dia.	Diam. U	Width m	P	۵	H Bush. Dia.	1
						STA	INLESS S	TEEL										
*1RC-35SA 1RC-40SA 1RC-41SA 1RC-50SA RC-60SA RC-80SA	3/8 1/2 1/2 5/8 3/4 1	\$3.30 5.50	\$1.50 1.80 1.50 2.70 3.30 5.50	\$0.15 .20 .15 .30 .40 .60	\$0.15 .20 .15 .30 .40 .60	\$0.30 .40 .30 .90 1.30 2.08	850 1,450 975 2,350 3,050 5,600	1,800 3,000 2,000 5,600 6,500 12,000	2 41 28 .64 1.0 1.68	.231 .314 .268 .398 .489 .615	.283 .357 .310 .434 .574 .741	.200	.200 .312 .306 .400	XXXXXXX	.286 .386 .310 .475 .600 .750	.451 .383 .545 .710	.220 .200 .277 .345	.060 .050 .080
							BRONZE											
‡RC-40B ‡RC-50B RC-60B	1/2 5/8 3/4	\$2.60		\$0.20 .24 .30	\$0.20 .25 .34	\$0.50 .66 .96	1,000 2,050 2,650	1,900 3,650 4,700	.46 .73 1.13	.314 .398 .489	.434	.200	.400	3/8 1/2	.386 .475 .600	.451 .545 .710	.277	.060 .080 .094
‡Riveted	type only	. *Roller	less.															

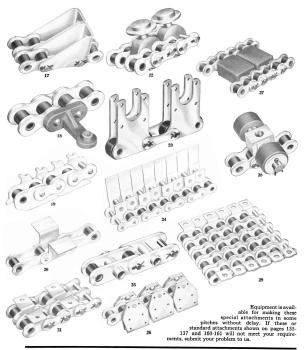
STAINLESS STEEL AND BRONZE



SPECIAL ATTACHMENTS FOR STANDARD AND



EXTENDED PITCH Silverlink ROLLER CONVEYOR CHAINS

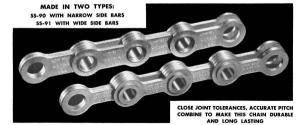


SPECIAL ATTACHMENTS FOR STANDARD AND EXTENDED PITCH CHAINS



170

CARD FLAT CHAINS FOR TEXTILE MILLS



Due to wear at various points, there is more or less regular replacement of Card Flat Chains by the wellmaintained mill

Because durability and long life are the results of close joint loterances and accurate pitch, that's why textile men have been quick to recognize the advantages of using Link-Belt Silverlink Card Flat Chains. Replacements are fewer and farther between when these chains of unsurnssed quality are used.

Two types, which will fill practically all carding machine requirements, are available: SS-90 with Narrow side bars, and SS-91 with Wide side bars

As both chains must be replaced at the same time, so Link-Belt Card Flat Chains are matched, tagged, and sold in sets (two strands, each 110 links long). Special lengths can be furnished if required.

When ordering or inquiring about Link-Belt Silverlink Card Flat Chains, be sure to specify the make of carding machine for which the chains are required, and the quantity in pairs required. Prices furnished on requirest.





Each set is carefully packed in a heavy cardboard box to insure cleanliness and ease of handling.

Quick delivery from stocks conveniently located to the textile centers can be made.

TWIST TYPE Silverlink ROLLER CHAIN

FOR LISE WHERE SPROCKETS ARE LIKELY TO BE IN NON-PARALLEL ALIGNMENT



Illustration shows total twist in 14-pitch length of chain. A definite limited amount of twist is permitted to each chain joint

so that the total angle of twist in the chain preferably corresponds to the angle between the axes of two non-parallel shafts.

Link-Belt Twist Type Roller Chain is especially well-suited for chain driven automotive vehicles. For instance, on many such vehicles, the drive shaft axis is fixed in position with respect to the vehicle, but the axis of the axis is not fixed. It is supported upon springs or other yielding mountings, and as the vehicle moves over a road surface, one wheel is frequently higher than another, and the axis will be twisted so that although it is frequently parallel with the drive shaft, it is not always parallel.

Therefore, the two sprockets (one on the drive shaft, and one on the axle) about which the chain is positioned, are sometimes parallel and sometimes not parallel with each other. When they are not parallel, there is a tendency for the chain to twist or bend.

Link-Belt Twist Type Roller Chain provides means for permitting just such twisting or bending while retaining at all times



Picture the sprocket misalignment that would occur if any of these four wheels hit a large bump, or a hole in the roadway. Link-Belt Twist Type Roller Chain automatically compensates for any such misalignment, retaining at all times and in all relative positions the proper contact between the chain elements and the sprocket teeth.

and in all relative positions a proper contact between the chain elements and the sprocket teeth.

This type of chain can also be used to good advantage for industrial applications in connection with shafts which are not, and not intended to be, in parallel alignment with each other.

Twist Type Chain Is Patented in U. S. A. and Canada

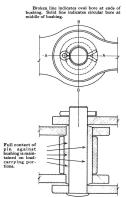


Note the twisting action that takes place when axles are thrown out of alignment. Such action is detrimental to ordinary service chains but not with Link-Belt Twist Type Roller Chains . . . the chains with advantageous twistability, but with unimpaired load-carrying capacity.

PROVIDES EFFICIENT, POSITIVE POWER TRANSMISSION

A definite limited amount of twist is permitted to each chain joint so that the total angle of twist in the chain preferably corresponds to the angle between the axes of the two shafts. As each link contacts the sprocket tooth, it will be in exactly or approximately its proper angular position and will make little or no

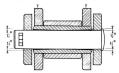
adjustment at the time of contact. Thus it will contact the faces of the wheels in a flat position with relation to them, and will provide a continuous bearing along the entire width of contact between the chain and teeth. The illustration below shows the constructional features of this chain.





A paper mill utilizes Link-Belt RC-140-St Twist Type Silverlink Roller Chain to drive a stock chest agitator.

Pin is free to rock on non-load-carrying portions of bushing . . . no pin breakage.



NON LOAD-CARRYING

If we split the bushing, roller, and sidebars at centerline B-B, we see that the bushing bore is flared to allow a rocking or twisting action of the pin. The outer sidebars rock with the pin, proper clearance being maintained between them and the inner sidebars to avoid any prying action.

LOAD-CARRYING

If we split the bushing, roller, and sidebars at centerline A-A, here's what we see. Full contact of the pin against the bushing is maintained no matter what the direction of chain pull may be.

Why not investigate the possibilities of this new Twist Type Roller Chain for your drives? Prices and other information will be furnished on application.

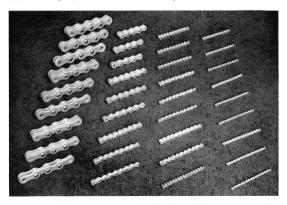
BALANCE OR LEAF CHAINS



Leaf or Balance Chains are furnished in a variety of pitches, widths and strengths, to suit different applications, such as for chain oiling bearings, wrench chains, balance or counterweight chains, hoisting and mechanical operating chains, etc.

Variations in the pitch, thickness, width, and number of leaves or plates, as well as in the metal or alloy used, make it possible to meet a large range of requirements in strength, and in limitations of space.

In asking for prices give full particulars as to weight of loads, frequency of operation, length and number of chains wanted, also number and size of wheels over which they are to be run.



OTHER LINK-BELT
POSITIVE DRIVES
THAT WILL SAVE
YOU MONEY...

LINK-RELT

Silverstreak SILENT CHAIN

FLEXIBLE AS A BELT-

Silverstreak is flexible . . . can be run in either direction. Operates over small sprockets on short centers. Quick, easy installation without dismantling bearings or machine parts.

POSITIVE AS A GEAR -

Silverstreak cannot slip. There is no lost power. You get full machine production . . . and uniformity of product. Positive, tooth-to-tooth contact assures delivery of every r.p.m.

MORE EFFICIENT THAN EITHER!

Silverstreak is 98.2% efficient, on actual test. Proper running tension maintained without expensive upkeep. Life measured in decades, not years. Operates efficiently under all atmospheric conditions. All-steel construction prevents deterioration in idleness

Made in Sizes to Transmit $\frac{1}{4}$ to 1,000 H.P. and Up

Complete drives, up to 60 H.P., in ratios of 1:1 to 7:1, are available from stock at Link-Belt warehouses and from authorized distributors located in important business centers.



. . . or if you're interested in stock drives, send for Book 1725





LINK-BELT **GFAR**

THE POSITIVE INFINITELY VARIABLE SPEED CHANGER THAT GIVES YOU ANY DESIRED SPEED AND MAIN-TAINS IT ACCURATELY

No Belts-No Sheaves-No Slip

CONTINUOUSLY VARIABLE—provides infinite number of speeds without steps. The P.I.V. employs a positive drive chain, eliminating any possibility of slippage. It is entirely independent of friction for the transmission of power.

Speed changing is easy, quick, and simple accomplished while the drive is in operation. A mere turn of the control screw changes the effective diameters of two pairs of opposing conical wheels, thus changing the speed of the output shaft. Even a speed change of a small part of a revolution is instantly obtainable.

POSITIVE ENGAGEMENT—non-slip, assuring maintenance of selected speed. Slip is totally eliminated, making the P.I.V. particularly advantageous where delicate or sensitive operation, with exacting variable speed requirements, is necessary.

ALL-METAL CONSTRUCTION, COMPACT DESIGN-All elements of the P.I.V. Gear are made of metal, fully-enclosed in a rigid, compact, all-metal housing. Operation is safe, clean, and unaffected by atmospheric conditions. All moving parts operate in oil with automatic splash lubrication.

Space-saving and light in weight, the P.I.V. Gear can be installed in line with or adjacent to the prime mover, or as an integral part of the driven machine.



POSITION OF CHAIN ON WHEELS

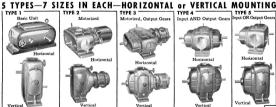




MAXIMUM Speed Setting

MINIMUM Speed Setting

TYPE 1 TYPE 2 TYPE 4



TO 15 HORSE POWER CAPACITY...RATIOS UP TO 6:1





Helical Gear Motorized SPEED REDUCERS

... combining Motor and Helical Gear Assembly in One Compact Unit, Gear Reduction Portion Supported, Motor Overhung.

MOTORIZED SPEED REDUCERS . . .

- 1-Eliminate the need for a base plate and flexible
- coupling.

 2—Are compact—permit a high ratio direct-con-
- nection in small space.

 3—Afford permanent alignment of reducer and
- motor.

 4—Permit easy accessibility to motor and reducer
- 5—Can be equipped with A.C. or D.C. motors of any type.
- 6—Are ideal for horizontal driving.
- 7-Are low in first cost and installation expense.

These CONSTRUCTIONAL FEATURES Have Popularized the LINK-BELT Motorized Gear SPEED REDUCER Throughout Industry:

Geors . . . are of the helical type, accurately cut from heattreated alloy steel—rigidly mounted for quiet, dependable, efficient operation. Changes in ratios can be easily made. High speed gears are removable without disconnecting driven machine or disturbing low speed gears.

Housings . . . are rugged, oil-tight, compact, good to look at—provide rigid support for motor and reducer.

Motors . . . Link-Belt Motorized Gear Speed Reducers are designed for use with National Electrical Manufacturers' Association Frame motors. Data on other types furnished on request.

Units are anti-friction bearing equipped throughout with oversize bearings on the output shaft to permit overhung loads. Leak-proof seals on high and low speed shaft projections keep oil in and dirt out.

SEND FOR DATA BOOK 1515

It contains all data essential for the selection of the right Link - Belt Motorized Gear Speed Reducer for your job.



LINK-BELT 177

Worm Gear SPEED REDUCERS

. . . for Moderate and Low Output Speeds-Adaptable to Almost Any Form of Speed Reduction.

WHY CHOOSE WORM GEAR SPEED REDUCERS?

- 1-High ratios in small space.
- 2-Self-correction against wear.
- 3-Operation at high input speeds.
- 4-Continuous load carrying capacity.
- 5-Transmission of power at right angles.
- 6-Quietness and smoothness of operation.
- 7—Adaptability for fractional horse power requirements or for heavy work.
 8—Availability in horizontal or vertical types.

CONSTRUCTIONAL FEATURES That Distinguish the LINK-BELT Worm Gear SPEED REDUCER

Worm Gears . . . made of phosphor bronze—combine low co-efficient of friction with toughness, elasticity, and high tensile strength. Chill cast in dry sand to obtain maximum hardness and uniformity.

Worm Shafts...made of low carbon alloy steel forging, carefully carburized and heat treated to provide a hard surface and a tough, ductile core. Threads are accurately ground and polished.

Housings . . . are compact, rugged, pleasing in appearance, well-proportioned, with ample storage capacity for lubricant. Cover plates can be readily removed for access to worm and gear, bearings, etc.

Link-Belt Worm Gear Speed Reducers are roller bearing equipped throughout. All moving parts operate in oil.

Complete motorized drives (reducer and motor assembled on base plate) can be furnished. Housing cover plates with special flanges and be used to adapt these reducers to inbuilt drive assemblies, wall mounted drives, etc. Primary helical and worm gear attachments afford great latitude in total reduction available, as well as in drive



SEND FOR DATA BOOKS 1524 AND 1524B

Choose from these LINK-BELT DESIGNS from 1100 to 115.000 in Pound Torque

WB (Single Worm Gear, Worm Below Gear, Horizontal Output Shaft) Ratios 3½1:1 to 100:1.





WT (Single Worm Gear, Worm on Top of Gear, Horizontal Output Shaft) Ratios 3\(\frac{1}{10}\):1 to 90:1.

WV (Single Worm Gear, Vertical Output Shaft) Ratios 3½10:1 to 90:1.



HWB (One Helical and One Worm Gear, Worm Below Gear, Horizontal Output Shaft) Ratios 27:1 to 432:1

HWV (One Helical and One Worm Gear, Vertical Output Shaft) Ratios 27:1 to 432:1.





DWB (Two Worm Gears, Worm Below Gear, Horizontal Output Shaft) Ratios 35:1 to 8000:1.



DWV (Two Worm Gears, Vertical Output Shaft) Ratios 35:1 to 7200:1.

arrangements.

LINK-BELT

DOUBLE

PEDUCTION

BOX TYPE

Ratios from 10:1

to 70:1. Standard

sizes,31/2 to 110 H.P.

SINGLE REDUCTION

Type "S"—Ratios up to 10 to 1. Standard sizes, 1½ to 1000 H.P.

Herringbone Gear SPEED REDUCERS

. . for Use with High Speed Motors, Turbines, or Internal Combustion Engines, Especially Well-Suited for Large Reductions or Increases in Speed Where Space is Limited.

10 INFLUENTIAL FACTORS FOR THE SELECTION OF THIS TYPE OF ENCLOSED GEAR DRIVE

- 1—High efficiency—continuous, smooth, noiseless action of gears (at least two teeth always have two points of contact in the plane of axis).
- 2-Great strength.
- 3-Minimum back lash.
- 4—Large power capacity with comparatively small gears.
- 5-Ability to operate at high rotative speeds.
- 6-Elimination of end thrust.
- 7—Conservation of space.
- 8—Low power consumption.
 9—Long service due to minimum of vibration and friction.

10—Ability to carry heavy overhung loads.

DOUBLE REDUCTION TANDEM TYPE Ratios from 10:1 to

Ratios from 10:1 to 70:1.Standard sizes, 3½ to 263 H.P.

And Here Are Just a Few of the Features That Make LINK-BELT Herringbone Gear SPEED REDUCERS Outstanding in the Field . . .

Gears . . . continuous herringbone tooth type—Sykes tooth form, using 20 degree pressure angle, 30 degree helical angle—involute teeth. Made of high carbon steel forgings or electric steel castings.

Housings...neat, sturdy, oil-tight, dust-proof—cast gray iron—of proper size to dissipate heat generated while gears are operated at high speeds, thus holding temperature rise within safe limits.

Units are anti-friction bearing equipped throughout with oversize bearings on the output shaft to permit overhung loads. Leak-proof seals on high and low speed shaft projections keep oil in and dirt out.

TRIPLE REDUCTION

Ratios from 70:1 to 318:1. Standard sizes, ½ to 46 H.P.



If the available standard ratios are not sufficiently close to meet your speed requirements, slight changes can readily be made to furnish an intermediate ratio.

mediate ratio.
SPECIAL REDUCERS can
be built to meet practically any
speed - changing requirement.
Our engineering and manufacturing departments are especially well-equipped for this work.

LINKBELT REDUCER

SEND FOR DATA BOOK 1519A

LINK-BELT

ROLLER CHAIN FLEXIBLE COUPLINGS



TYPE "PC" COUPLING WITHOUT CASING (Patent Re. 20329)



COUPLING WITH STYLE "R" REVOLVING CASING



COUPLING WITH STYLE "P" REVOLVING CASING

TYPE "PC" COUPLING

The Type "RC" Coupling is rugged in construction, easy to handle, durable, reliable and efficient in service. It consists of two cut tooth sprocket wheels (or coupling halves) which are chain, using a patented divided roller feature, which combines the advantage of double roller chain with the more rugged and simple construction of single width chain. This coupling has great flexibility of design for meeting special conditions.



DIVIDED ROLLERS FOR EXTRA SERVICE

Divided rollers (Patented) provide longer-lasting independent contact for each of the coupling halves, without sacrificing the simplicity and ruggedness of single-width chain assembly. Chain is precision-made from alloy steels of great toughness and strength Coupling halves are machine-finished all over for proper balance at high speeds. Teeth are accurately cut to equalize load distribution, and hardened for added durability.

STYLE "R" REVOLVING CASING

The Revolving Style "R" Steel Casing is rust resisting, being made of plated formed steel. It is dust tight, and affords complete protection against dust, water or other objectionable conditions. Free from external projections, it is ideal from the standpoint of safety. Protected screws for clamping the ring seals provide an oil tight fit between the two casing halves. Lubrication can be taken care of by removal of either of two screw pluss provided at 180 degrees on opposite halves of the housing, permitting the use of a grease gun to load the housing.

Cork seals are provided at the shaft openings which allow for end float and flexing of the coupling halves, and afford adequate protection against leakage.

STYLE "P" REVOLVING CASING

Style "P" Plastic Casings for "RC" Couplings are simple in design and easy to install. The horizontal split makes it possible to install or remove the casing while the coupling is in place on the shaft.

Safety in operation and good appearance are assured by the smooth, streamlined surface. Casing halves are held securely together by screws with lock washers.

Casings are arranged for convenient lubrication, with effective oil-tight gaskets and cork seals to keep grease in and dirt out.

CASINGS FOR COUPLINGS

It is considered good practice to enclose and lubricate Type "RC" couplings because it affords a reduction in the friction co-efficient between the sliding parts of the coupling, re-sulting in a more efficient direct drive connec-tion. The housing and lubrication, while always desirable, are not definite requirements unless the couplings are required to operate under any or all of the following conditions: 1 Speeds above 500 R.P.M.

- 2. Dusty atmosphere.
- 3. Moisture-laden atmosphere, or subject to water splash.



COUPLING WITH STYLE "S" STATIONARY CASING

STYLE "S" STATIONARY CASING

The Style "S" Stationary Welded Steel Oil-The style "S" Stationary Welded Steel Oil-Retaining Casing is applicable to all loca-tions calling for protection of "RC" Coup-lings from grit, dirt, or other objectionable

Thorough lubrication is assured through the action of the oil sling, which dips into the oil reservoir formed by the bottom of casing, and throws the oil up into the gutters pro-vided in the top of the casing. These gutters slope toward the center, and allow the oil to drop onto the chain and teeth of the coupling. thus lubricating it effectively and prolonging its life. Casings can be furnished without lubrication feature if desired.

SIMPLE, RUGGED, EFFICIENT AND EASY TO INSTALL

HOW TO SELECT A COUPLING

mechanism does not present a uniform load, the normal power requirem should be multiplied by a service factor to obtain a conservative selection ased upon service conforming to that th and uniform power flow. When the rm torque and speed or the driven

SERVICE CLASSIFICATIONS

Table 1 may be used as a guide in determining service factors (Table 2). Classifications are typical.

	TRUIC I
CLASS A-Uniform Load	CLASS B-Moderate Shock Load
AGITATORS for liquids or liquid stocks. BLOWERS, centrifugal. CONVEYORS, uniformly loaded or fed, all types except reciprocating. COOKERS, cereal. BLEVATORS. BUCKET. uniformly loaded	all types except reciprocating.

or fed, all types. FEEDERS, disc type. GENERATORS.

KETTLES, brew. LINE SHAFTS, light or normal duty. MACHINES, all types with uniform loads,

non-reversing PUMPS, centrifugal. SCREENS, rotary, uniformly fed.

loaded or fed FEEDERS (under bins, hoppers, etc.), apron.

belt, screw, rotary vane. GRINDERS. HOISTS. KILNS, DRYERS, rotary. LINE SHAFTS, heavy service. MACHINES, all types with moderate pulsating load, non-reversing. MILLS, ball, pebble, tube.

CLASS C-Heavy Shock Load BOAT PROPELLERS COMPRESSORS, reciprocating (single or 2 cylinders).

CONVEYORS, reciprocating. CRUSHERS. FEEDERS, reciprocating.

MACHINES, all types with severe impact loads or speed variations and reversing MILLS, hammer, rolling.

PUMPS, reciprocating (3 or more cylinders). SERVICE FACTORS—Table 2

Class of Service		SOURCE OF POWER								
See Table 1	Type of Load	Electric Motor or Steam Turbine	Steam Engine or 4, 6 or 8 cyl. Gasoline Engine	Gas or Oil Engine						
Λ	Uniform	1	134	2						
В	Moderate Shock	11/2	2	21/2						
C	Heavy Shock	2	216	3						

HORSE POWER RATINGS

Coupling	1								R.P.J	м.							
Number	5000	4000	3000	2500	2000	1800	1500	1200	900	800	700	600	500	400	300	200	100
RC-5010	54.6	45.6		30.6	25.4	22.7	19.3	15.8	12.1	10.9	9.6	8.3	7.00	5.67	4.31	2.93	1.45
RC-5012		53.2		35.9	29.8	26.7	22.8	18.7	14.4	12.9	11.4	9.9	8.32	6.75	5.14	3.50	1.80
RC-5016		67.4	53.7	46.1	38.5	34.5	29.4	24.2	18.8	16.8	14.8	12.9	10.90	8.86	6.75	4.60	2.21
RC-5022				59.9	50.5	45.2	38.7	32 1	25.0	22.4	19.8	17 2	14 60	11 85	9.10	6.16	3.22
RC-6010		76.3	60.3	51 8	42.9	38.4	32.7	26.8	20.7	18.5	16.3	14.2	12.00	9.70	7.38	4.98	2.57
RC-6014			80.3	69.0	57.7	51.7	44.1	36.4	28.2	25.2	22.3	19.3	16.40	13.28	10 16	6.86	3.56
RC-6018				84 2		63.5	54.3	45.1	35.1	31.5	27.8	24.2	20.58	16 70	12.82	8.67	4.52
RC-6022				01.0	84.2	75.6	64 7	53.9	42.1	37.8	33.5	29.6	24.80	20.15	15.50	10.48	5.45
RC-8014				155 0	131.0		100.0		65 0	58 2	51.5	44 7	38.00	30.86	23.73	16.05	8.37
RC-8018					160.0						64.1	55.8	47.60	38.70	29.80	20.20	10.63
RC-10016					100.0	252 0	217 0	176 0	139 0	129 0	112 0	99.2	84.20	69 00	52 90	36.30	18 86
RC-12014						202.0							124 .00		78 30	53.15	28.00
RC-12014							255 0	200 0	226 0	212 0	100 0	164 0	140.00	114.00		60 00	31.70
RC-14012							400.0	256 0	200.0	212.0	200.0	105.0	100.00	135.00	104 00	70.50	37 10
RC-14016							#20.0	450.0	250.0	201.0	0.00	195.0	00.00	135.00	136.00		49.00
RC-14018								455.0	358.0	322.0	287.0	251.0	215.00	175.00	150.00	92.50	54.70
RC-16010						666.6											
							540.0	451.0	354.0	318.0	282.0	246.0	210.00	171.00	132.00		47.00
RC-16012															156.00		56.00
RC-16016	111111														202.00		73.60
RC-16020				-2.00											247.00		90.60
RC-20014								e record	873.0	787.0	700.0	614.0	528.00	432.00	336.00	229.00	122.00
RC-20018				12.000						956.0	854.0	752.0	650.00	534.00	418.00	286.00	154.00
RC-20022	1						1					892.0	774.00	637.00	500.00	343 .00	186 00

If your horse power requirements are higher than those listed in the above table, we suggest that you communicate with the nearest Link-Bell office.

LUBRICATION AND ALIGNMENT

LUBRICATION

A non-corrosive grease of medium consistency is recommended for use with Revolving Casings, in an amount sufficient to cover all working parts. Grease should be free from any tendency for oil separation and have a melting point of at least 50 degrees Fahr., above surrounding room temperature. A good grade of medium viscosity oil should be used with Style "S" Casings.

ALIGNMENT

In connecting a motor shaft to a shaft in line with it, the "RC" Coupling allows for reasonable end float of the motor, and also prevents the excessive bearing pressure or binding that would occur with the least deviation from perfect alignment of the bearings of the driving and driven elements if flexibility is not

provided.
When installing flexible couplings, they should be accurately aligned so that their capacity for reasonable misalignment can be utilized to absorb discrepancies in misalignment occurring through settling of supports under the driver and driven units. While these couplings are designed to accommodate reasonable amounts of misalignment, it is well to keep in mind that accurate alignment is conducive to highest efficiency and durability.

ROLLER CHAIN COUPLINGS AND CASINGS . . .

TYPE "RC" COUPLINGS AND STYLE "R" CASINGS



TYPE "RC" COUPLING

Couplings which are priced in bold face type are carried in stock (at Link-Belt Plants, Warehouses and Distributors) inished and ready for use, including Keyway, one set screw in each coupling half, and any combination of listed stock bores. Specifications and quotations for larger sizes on applica-

An additional charge is made for taper bores, counter bores, etc. When key seats are required, add the charge for special key seat.

Prices on special couplings, or standard couplings in quan tities, quoted on application.

tities, quoted on application.

For all finished stock couplings add reboring charge when stock bore is not used. The amount to add for each coupling half so rebored, is given in fourth column of table below. On made-to-order couplings the list price covers complete coupling with straight bore and key seat.

In selecting a coupling always check up to see that it will accommodate bore desired.



STYLE "R" CASING

	d Bore Tole		
		+.001	
		+.002	
		+.003	
When closer toler			

LIST PRICES, DIMENSIONS AND WEIGHTS

	TYPE "	RC" C		(WITHOUT	CASING	IS)	STYLE "	R" CAS	ING	Г						ιТ	Me
Coupling Number	Price,	Wt.,	Add For Spec. Bore Spec. Key Seat. ca. half	Stock Bores Carried in S	of Finish Stock Re	ned Couplings ady For Use	Coupling Number	Price,	Wt.,	Α.	В	С	D	E	y	•н	Allo ab
STOCK SIZES																	
.C-5010	\$ 5.40	11/8	\$1.40		12. 1%. 14. 15%.	34	RC-5010R	\$3.30	1.35	2% 2% 2% 21%	25%	11/8	211/2 211/2 33/4	13/6 111/6 211/2	41/8	1/8	1
C-5012	6.20	11/2	1.60	34.3	8. 13/16.	1, 11/8	RC-5012R	4.60	.45	23/6	23/6	11/4	211/2	111/6	41/2 53/8	1	13
C-5016	8.00	3′*	2.00	34, 78, 1%	6, 1, 11	1, 1¼ 6, 1¾, 1¼, 2, 1¾	RC-5016R	5.50	.55	215/4	23/2	1%	33/4	211/2	5%	1/25	13
C-6018	11.20	7	2.40	129	11/6, 11	5, 1%, 1%,	RC-6018R	6.00	.90	41/4	02.		51/6	31/2	613/6	16	23
C-0019	11.20	'	2.40	172 1182	11/6, 11 11/6, 11 12, 21/6	2%, 2%	no-outen	0.00	.50	4736	474	-	3516	372	0.28	236	-7
C-8018	20.30	16	2.40	136 136 13	4 1154	, 27, 27, , 2, 21, 23, 21, 31, 6, 33, 33, 21, 21, 31, 31, 31, 31,	RC-8018R	7.80	134	4136	334	236	6116	434	81/6	1/6	3
				274, 25	. 214.	2136. 314	100 001010				1	-/-	1			1"	1
C-10016	34.00	26	2.60	23/4. 23/4.	21/2, 215	6, 3%, 3%	RC-10016R		21/4	5% 5%	31/4 55/8	23/4	713/2	51/6	91/2	1/4	3
C-16010	41.10	34	2.60	176.	2, 21/4	213/4	RC-16010R	10.50	3	57%	5%	278 338 356	814	614	925/6	1/8	3
C-12016	52.00	41	2.60	2, 213	ís. 33/ss.	315/6	RC-12016R	14.85	31/2	613%	436	33%	93%	614	10%	14	
C-14016	68.00	63	2.70	2, 3			RC-14016R	15.70		73%	51/8 55/8 55/6	3%	103/6	71/4 61/4	121%	1/2/2/2	5
C-16016		84	3.00		214, 315		RC-16016R	20.00	414	83%	53%	41/8	123/1	614	131%	1/8	3
2-16016	108.00	98	3.00	23/	47/6	115/6	RC-16016R	20.00	41/4	83%	5%	41/8	121/4	83%	1311/4	1/8	5
					-	MADE-TO-O	DER SIZES										
C-5010 I	\$19.00	11/6							I	25%	I	114	211/4	1%		14	1
-5012	21.00	11%								29.4		11/4	2117	111/4		12	1
2-5016	22.25	3								2154		1%	33/4	213/4	corre	14	1
-5022	23.65	53/4					RC-5022R	\$9.00	.70	35%	216	1%	5	323/2	6%	1/6	2
C-6010	21.30	11/4					RC-6010R	9.00	.50	3116	21/4	134	33/42	127%	45% 51%	3/4	1
C-6014	21.30 23.00	41/4					RC-6014R	9.00	.70	3156	21/2 21/4 23/4	13%	41/8 51/8	21/2 31/2 11/2 31/2 41/2 31/4	51/2	お 年 年 年 年 年 年 年 年 年 年 年 年 年 年 年 年 年 年 年	11
C-6018	23.70	7											51/1	31/2		14	2
C-6022	27.85	11					RC-6022R	10.00	11%	45%	234 334	21/6 21/4	6	41/2	73/8 613/6	16	3
C-8014	23.90	10					RC-8014R	10.00	11/2	43/6	33%	21/4	57/s	313/2	613/6	16	2
C-8018	42.75	16								413/		$2\frac{5}{8}$	61/1s	43/4 51/6		366	3
C-10016	50.75	26								53/16		2 × 2 ×	717/2	51/16	12277	16	3
C-16010	53.80	34					2.2.2.0.000.02		12000	51/8	1000	21/8	81/4	43%	95%	1/8	3
C-12014	52.00	31					RC-12014R	26.00	31/4	6516	41/2	3/8	81/8	51/4	12223	216	3
C-12016	65.75	41								613/1	51/6 51/6 51/6 51/6	3%	91/8	614	913/6	16	3 5
-14012	57.85	39 63					RC-14012R	28.00	3	61/2	5/8	328	83%	51%	1017	139	3
-14016							NA WARREN		1112	728	612	3%	10%	71/6 61/4 81/6	131/4 131/4	13	3
C-14018							RC-14018R	32.00	414 414 414	71%	228	3 /8	11.78	00%	111%	139	5
C-14018	96.00	61					RC-14018R	32.00	1 443	772	2/9	3/8	9%	521/2	11%3	13	3
C-16012 C-16016		84					RC-16012R	30.00	974	852	228	378	1214	614		12	3
C-16016		98										412		834		12	
C-16020		110					RC-16020R	30.00	7	986	es:	162	145/		161/8	1 72	5
C-16020		116					RC-16020R		1 2	93%	228	123	1452	1034	161%	128	1 7
C-20014		124					RC-20014R			103%	612	512	1394	614	1514	12	7
C-20014	179.00						RC-20014R		514	1034	612	275	1296	834	1514	12	6
C-20014	200.00	101					RC-20014R	46.00	614	11132	12/3	126	14% 14% 13% 13% 13%	832	1814	18 18 18 18 18 18 18 18 18 18 18 18 18 1	6
C-20018		210				*********	RC-20018R	46.00	613	11128	1213	554	16¾ 16¾	81/2 11 1/4	1814	138	9
C-20018 C-20022	225.00	252					RC-20018B	59.00	75%	1236	613	61	19156	85%	2134	1 12	6
C-20022							RC-20022B			1236	614	61	19154	117%	2134	12	9
C-20022 C-20022	260.00						RC-20022B	59.00		1236	612	61	19156	1502	2134	X	12

STOCK AND MADE-TO-ORDER SIZES

STYLE "P" REVOLVING CASINGS

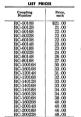


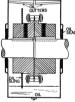
LIST PRICES AND DIMENSIONS										
Coupling Number	Max. Bore Allowable	*Price,	Α	В	F	*11				
RC-5010P RC-5012P	11/4	\$4.40 6.20	2% 2%	2% 2%	3% 31%	16				
RC-5016P RC-6018P RC-8018P	134 234 334	6.20 7.40 11.00 13.20	215/6 41/6 415/6	215/4 31/4 31/4	43% 511/6 73%	18				

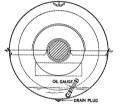
^{*}Price for casing only. See page 182 for prices of couplings.

*Price application other than with electric motors. When used on motors adjust clearance between chain and coupling halves to suit end float of motor.

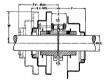
STYLE "S" STATIONARY CASINGS







CLEARANCES FOR ASSEMBLY OF STYLE "R" CASINGS



DIMEN	ISIONS				
Coupling Number	tV	w	tx	Y	z
RC-5010R, RC-5012R, RC-5016R, RC-5022R	3	21/2	2	2	1.08
RC-6010R, RC-6014R, RC-6018R, RC-6022R	31/6	23/4	21/2	21/2	1.30
RC-8014R, RC-8018R RC-10016R	43/4 47/8 6	514	314	31/2	1.73 2.14
RC-12014R, RC-12016R RC-14012R, RC-14016R, RC-14018R.	71/4	514 614 714	31/4 41/4 43/8	314 414 414	2.56 2.98
RC-16010R, RC-16012R, RC-16016R, RC-16020R, RC-20014R, RC-20018R, RC-20022R.	774	81/4 101/4	512 6116	5 61⁄4	3.36

†Casing in position "V" provides full access to connecting link. [For limited space requirements casing in position "X" will permit chain to be coupled or uncoupled.

A COMPLETE LINE OF DEPENDABLE



Pillow Blocks



Roller Bearing Duplex Units



Roller Bearing Pillow Blocks



Roller Bearing Flanged Units



Roller Bearing Flanged Units



Ball Bearing Flanged Units



Roller Bearing Hanger Units



Roller Bearing Cartridge Units



Roller Bearing Take-Up Units



Roller Bearing Hanger Units



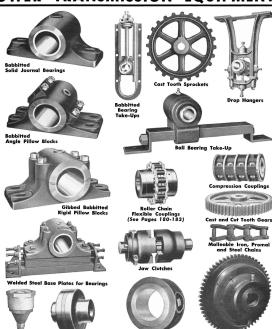
Unmounted Roller Bearings



Bearing Head Take-Ups



POWER TRANSMISSION EQUIPMENT



Safety Collars

CATALOGS SENT ON REQUEST

Flexible Coupling

Friction Clutches

ENGINEERING DATA . . . FOR FIGURING PULL ON

In the following instructions and calculations for figuring the pull on chains in conveyors and elevators, and in drives for them, as well as the torsional and bending strains for the shafting, the letters and characters used in the formulae have the definitions listed below:

- c = Angle of inclination of conveyor or elevator.
- C = Additional pull to drag buckets through elevator boot.
- F = Coefficient of sliding friction between chain or wearing
 shoe and track. See table which follows, for values.
- F₁=Coefficient of sliding friction between material conveyed such as coal, sand, etc., and the conveyor trough. See table.

RF = Coefficient of rolling friction. See table,

L=Length of conveyor or elevator from head shaft to foot shaft, in feet.

P=Load or resistance to turning, measured in pounds, at the pitch radius of head sprocket or sprockets, which must be balanced by pull of driving mechanism.

P₁=The equivalent pull necessary at pitch radius of the driving wheel, gear or pulley, on this head shaft.

W=Weight of chain and flights, pans, or buckets, per foot.

W=Weight of material such as coal, and, etc., per foot.

Coefficients of Friction F. F. and RF

Sliding Friction

-

- F = .33 for metal on metal.
- F₁=.33 for Anthracite coal on metal.
- F₁=.355 for coke on metal.
- $F_1 = .53$ for moist ashes on metal.
- $F_1 = .60$ for dry sand on metal.
- F₁ = .585 for lime stone on metal. F₁ = .325 for shelled corn on metal.

RF = X × $\frac{d}{D}$ + $\frac{2Y}{D}$ X = 0.33 for metal on metal, not greased.

Rolling Friction

=0.20 for metal on metal, greased.

D=Diameter of chain roller, in inches.

of conveyor or elevator.

d = Diameter of bushing or pin in inches, upon which roller

Y = 0.03 inches, for metal on metal, average conditions.

Turning Efforts

Vertical Elevators

(a) $P = (W_1 \times L) + C$

Horizontal Scraper Conveyors With chains and material sliding

(b) $P = (2 \times W \times L \times F) + (W_1 \times L \times F_1)$

Horizontal Scraper Conveyors

With roller chains supporting flights, and material sliding

(c) P=(2×W×L×RF)+(W,×L×F,)

Horizontal Conveyors Which carry the material

(d) $P = (2 \times W + W_i)$ (L×RF)

Inclined Scraper Conveyors With chains and material sliding

(bb) $P = (W \times L) [(\cos \alpha \times F) + \sin \alpha] + (W_1 \times L) [(\cos \alpha \times F_1) + \sin \alpha] + (W \times L) [(\cos \alpha \times F) - \sin \alpha]$

Inclined Scraper Conveyors
With roller chains supporting flights and material sliding

(cc) $P = (W \times L) [(\cos \alpha \times RF) + \sin \alpha] + (W_i \times L) [(\cos \alpha \times RF) + \sin \alpha] + (W \times L) [(\cos \alpha \times RF) - \sin \alpha]$

Inclined Conveyors
Which carry the material

(dd) $P = L(W+W_1) [(\cos \alpha \times RF) + \sin \alpha] + (W \times L) [(\cos \alpha \times RF) - \sin \alpha]$

The following example illustrates the procedure to determine turning effort or pull, for an apron conveyor.

Example

EXAMPLE: Determine the turning effort for a conveyor on 80'0' horizontal centers. The weight of the chain empty is 9 pounds per foot (Double strand conveyor) and the weight of material handled is 50 pounds per foot.

The chains have 1% diameter rollers, turning on .546 diameter bushings. Then:—

L=80, W=9, W₁=50, RF =
$$.20 \times \frac{.546}{12\%} + \frac{2 \times .03}{12\%} = .108$$

The turning effort necessary to operate conveyor figured from equation given for horizontal conveyor which carries the material is:—

P=(2×9+50) (80×.108)=587 pounds = The torsional effort or pull acting at radius of the sprocket wheels,

CHAINS IN CONVEYORS AND ELEVATORS

Horse Power

To the turning effort just given, 10 per cent should be added for the friction of the head and foot shafts, and 5 per cent for each pair of gear reductions, for the gross turning effort. Provision should also be made for excessive starting loads.

The necessary horse power can be computed from the equation:

Horse Power = Gross turning effort × speed in feet per min

Chain Stress

In the case of vertical elevators with single chain, the stress in chain equals the turning effort P plus the weight of one run. For double strand chains the stress in each chain equals onehalf of this

half of this.

In the case of horizontal conveyors the chain stress equals the turning effort or pull only, in a single strand conveyor; and

the turning effort or pull only, in a single strand conveyor; and one-half this amount for each chain in a double strand conveyor. For inclined conveyors the chain stress at head equals the pull due to weight of the carrying run, plus the pull due to weight of material on the conveyor, provided the incline of the conveyor is sufficient to cause the return run to move down the incline by gravity. If the incline is insufficient, and the foot wheels have to pull the return run of conveyor down the incline, this pull must be added to the above forces.

In the example given the total chain stress equals 587

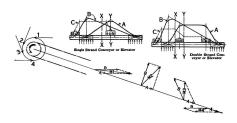
Head Shaft Sizes

Shaft diameters may be obtained from the charts on pages 90-919, after determining bending and torsional moments. These moments vary throughout a length of shaft, as shown in the diagrams below. Curve A represents Bending Moment imposed by the head wheel (or wheels). Curve B represents Bending Moment due to load on drive wheel. Curve C is the torsional moment.

Bending moments A and B at any section of the shaft, unually lie in different planes and in different directions, depending upon the relative circumferential positions of the point of pressure on the drive wheel with respect to the point of "pull" of the conveyor or elevator line. The resultant bending moment is determined vectorially by separate moments drawn in the direction in which better that the bend the shaft at the chosen section. Thus, for

example, for Section X—X of the double strand conveyor head shaft diagram, the resultant bending moments for the four points of drive pressure indicated, are respectively $\mathbf{M_{1}}, \mathbf{M_{2}}, \mathbf{M_{3}}$ and $\mathbf{M_{4}}$ as shown in the lower illustration.

Note that while the resultant bending moment at some other section, as Y = V for example, may be greater than at X = X, the torsional moment at Y = Y is only half that at X = X. Consideration should also be given to the presence or absence of a key seat at the section investigated, for instance, in the upper illustration, and the section investigated, for instance, in the upper illustration, and the section investigated of the instance, in the upper illustration, and the section investigated in the section of the section of the section investigated, in the section investigated of the section investigated of the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated, in the section investigated in the section investigated in the section investigated in the section investigated, in the section investigated, in the section investigated in the section investigated, in the section investigated, in the section investigated, in the section investigated, in the section investigated, in the section investigated, in the section investigated in the section investigated, in the section investigated, in the section investigated, in the section investigated in the section investigated, in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the section investigated in the secti



LINK-BELT 187

SHAFTING . . . FOR POWER TRANSMISSION

STANDARD SHAFTING

Link-Belt Standard Shafting is suitable for general power transmission and materials handling service. This shafting is made of cold finished mild steel, with smooth polished surfaces. Lengths are commercially straight and no special tools are required for machining. Shaft diameters conform with tolerance limitations in Table 1. below.

TABLE 1. DIAMETER TOLERANCES OF STANDARD SHAFTING

Shaft Diameter	Oversize	Undersize
Up to 1'	.000*	.002*
Up to 1'	.000"	.003"
216 to 4 4 to 6	.000*	.004"

SPECIAL SHAFTING

Special shafting, differing from standard in analysis, form or treatment, may be required for high speed service, operation at elevated temperatures, resistance to chemical action or corrosion, or where diameter limitations, exact tolerances, or service requirements prevent the use of standard shafting.

Special analysis may include bronze, Monel metal, stainless steel, high carbon steel, or any of the many alloy steels available, etc. Special treatment may consist of carburing, case-hardening, heat treating, etc., to provide the required properties. Shaffs of special form, such as square, hexagonal, hollow, eccentric, upset, etc., can be furnished when desired. Inquiries and orders should contain specific information concerning loads, service conditions and operating requirements. Recommendations on request.

DETERMINING SHAFT DIAMETERS

The tables and charts on pages 189-191 are based upon Link-Bet Standard Shafting having a safe shear stress value of 6000 lbs. per square inch, but results for other shafting specifications may be obtained by applying factors from Table 2, according to the safe shear stress value of the specifications involved. Tables on page 183 are close approximations intended for convenient reference. The charts on pages 190 and 191 may be used for more accurate selection.

In determining shaft diameters, it is advisable to make generous allowance. Liberal shaft diameters benefit bearing life and contribute to satisfactory operation.

TABLE 2. FACTORS FOR VARIOUS SAFE SHEAR STRESS VALUES

Safe Shear Stress	Factor	Safe Shear Stress	Factor
500	2.2894	7000	.9499
1000	1.8171	8000	.9086
1500	1.5874	9000	.8736
2000	1.4422	10000	. 8434
2500	1.3389	11000	.8171
3000	1.2599	12000	. 7937
3500	1.1968	13000	.7728
4000	1.1447	14000	. 7539
4500	1.1006	15000	. 7368
5000	1.0626	16000	. 7211
5500	1.0294	17000	. 7067
6000	1.0000	18000	. 6934

Safe shear stresses are estimated at 1/10 average ultimate strength and shown above in pounds per square inch.

strength and shown above in pounds per square inch.

NOTE: High specification shafting has no greater resistance to deflection than standard shafting.

EXAMPLE SHOWING HOW TO DETERMINE SHAFT DIAMETERS

Example—Determine shaft diameter to transmit of gars mounted near bearings. For approximate diameter, refer to Table B, page 189; it will be found that a 2½, diameter Link-Belt Standard Specification Shaft is adequate. Since the shear stress value of standard shafting is 6000 lbs, per square inch, the Factor from Table 2, is 1.000 and may be diergearded.

For shafting having shear stress value other than 6000 libs, per square inch, multiply the shaft diameter obtained from Table B, or Charts on pages 190 and 191, by applying the factor from Table B, or Charts on pages 190 and 191, by applying the factor from Table 2. Thus it will be found that for a safe shear stress value of 10,000 lbs. the required shaft diameter for the above example, would be: 3½° x.853*=2.26° A. 2½° diameter shaft group used in these calculations is sufficiently in excess of requirements, and providing the shaft possesses sufficient resistance to deflection for the service.

In using high specification shafting always be sure that bearing ratings are adequate for the imposed load and keep in mind the fact that resistance to deflection is determined by shaft diameter, not by metal specifications.

AND MATERIALS HANDLING SERVICE

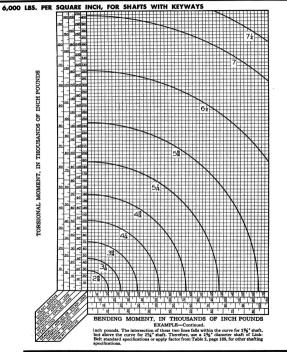
HORSE POWER TRANSMITTED—STANDARD SPECIFICATION SHAFTING For Other Shaffing Specifications, Apply Table 2, Page 188 TABLE A. SHAFTS WITH NO BENDING MOMENTS—

SHAFTS WITHOUT PULLEYS, SPROCKETS OR GEARS																
Diameter				но	RSE PO	WER A	T VA	RIOUS	REV	LUTIO	NS PER	MINUT	E			
of Shaft	25	50	75	100	125	150	175	200	223	250		300	350	400	450	500
9% 13% 13% 19%	.4 .8 1.4 2.2 3.4	1.6 2.8 4.5 6.8	1.2 2.4 4.2 6.6 10.2	1.5 3.1 5.5 8.9 13.5	1.9 3.9 6.9 11.2 16.9	2.3 4.6 8.3 13.4 20.3	2.6 5.4 9.7 15.7 23.7	3. 6. 11. 17. 27.	0 3 2 7 1 12 9 20 1 30	.4 3 .0 7 .4 13 .2 22 .5 33	.8 4 .8 8 .8 15 .4 24 .9 37	2 4. 6 9. 2 16. 7 26. 3 40.	3 10.5 6 19.4 9 31.4	12.5 22.2 35.9	6.9 14.0 24.9 40.4 61.1	7.7 15.6 27.7 44.9 67.9
234 234 254 254	4.9 6.8 9.1 11.8	9.8 13.5 18.1 23.7	14.7 18.4 27.3 35.4	19.5 27.0 36.2 47.3	24.4 33.8 45.3 59.2	29.3 40.6 54.4 71.0	34.2 47.3 63.4 82.9	39 54 72 94	1 44 1 60 5 81 7 106	.6 90	.9 53 .6 74 .7 99 .0 130	4 81. 7 108.	2 94.1 0 126.0	78.2 7 108.0 0 145.0 0 189.0	121.0 163.0	181.0
3%	18.9 28.5	37.9 57.0	56.7 85.5	75.9 114.0	94.9 142.0	113.0 171.0	132.0 199.0	151 228	0 170	.0 189 .0 285	.0 208 .0 313	0 227.	0 265.0	303.0	341.0 513.0	379.0 570.0
			LE B.								MO			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
PULLEYS, SPROCKETS OR GEARS NEAR BEARINGS																
Diameter of Shaft											NS PER			,		
	25	50	75	100	125	150	175	200	22			300	350	400	450	500
136 136 136 136 136	.2 .5 .9 1.5 2.3	1.0 1.9 2.9 4.5	1.5 2.7 4.5 6.9	1.0 2.0 3.7 5.9 9.0	1.2 2.6 4.6 7.4 11.3	1.5 3.1 5.5 8.9 13.6	1.7 3.6 6.4 10.4 15.8	2 4 7 11 18	9 13	.3 2 .7 5 .3 9 .4 14 .4 22	.5 2 .2 5 .2 10 .9 16 .6 24	4 17	9 20 9	9 14.8	16.6 26.9	18.5 29.9
236 236 256 256 336	3.3 4.5 6.1 7.9 12.7	6.5 9.0 12.1 15.8 25.3	9.9 13.5 18.3 23.7 38.1	13.0 18.0 24.2 31.6 50.6	16.3 22.5 30.2 39.5 63.3	19.5 27.0 36.3 47.4 75.9	22.8 31.6 42.3 55.3 88.6	26 36 48 63 101	1 29 1 40 4 54 2 71 0 113	1.6 45 1.4 60	.6 35 .1 49 .5 66 .0 86 .0 139	6 54 5 72 9 94	1 63.3 6 84.3	126.0	58.7 81.2 108.0 142.0 227.0	65.2 90.2 121.0 158.0 253.0
396 436 496 536 596	19.0 27.0 37.5 50.0 65.2	38.1 54.0 75.0 100.0 131.0	57.0 81.0 112.5 150.0 195.6	76.1 108.0 150.0 200.0 261.0	94.1 136.0 187.0 250.0 326.0	114.0 163.0 225.0 330.0 391.0	133.0 190.0 262.0 350.0 456.0	152 217 300 400 522	0 171 0 245 0 337 0 451 0 587	.0 190 .0 272 .0 375 .0 501	0 209 0 299 0 412 0 551 0 717	0 228 0 326 0 450 0 601 0 783		435 (675.0 902.0	544.0 750.0 1002.0
		TA	BLE C								G MC		T			
Diameter	1			н	RSE PO	WER /	T VA	RIOUS		LUTION	S PER	MINUTE				
of Shaft	25	50	75	100	125	150	11	rs	200	225	250	275	300	350	100	450
136 136 136 186 186	.15 .3 .55 .9	.3 .6 1.1 1.8 2.7	.45 .9 1.7 2.7 3.9	1.2 2.2 3.5 5.4	1.5 2.7 4.4 6.7	1 3	9 8 3 3	1.0 2.1 3.8 6.2 9.5	1.2 2.5 4.4 7.1 10.8	1.3 2.8 4.9 8.0 12.2	1.5 3.1 5.5 8.9 13.5	1.6 3.4 6.1 9.8 14.9	1.8 3.7 6.6 10.7 16.3	2.1 4.3 7.7 12.5 19.0	2.4 5.0 8.8 14.3 21.7	2.7 5.6 9.9 16.1 24.4
236 236 296 256 336	1.9 2.7 3.6 4.7 7.6	3.9 5.4 7.3 9.5 15.2	5.7 8.1 10.8 14.1 22.8	7.8 10.8 14.5 18.9 30.3		16	7 2	3.7 8.9 5.4 3.1 3.1	15.6 21.6 29.0 37.9 60.7	17.6 24.3 32.6 42.6 68.3	19.5 27.0 36.2 47.3 75.9	21.5 29.7 39.9 52.1 83.5	23.4 32.4 43.5 56.8 91.1	27.4 37.9 50.8 66.3 106.0	31.3 43.3 58.0 75.8 121.0	35.2 48.7 65.3 85.3 136.0
3% 436 496 536 596	11.4 16.3 22.5 30.0 39.0	22.8 32.7 45.0 60.0 78.0	67.5	45.6 65.3 90.0 120.0 156.0	150.0	68 98 135 180 234		7.0	91.3 130.0 180.0 240.0 313.0	102.0 147.0 202.0 270.0 352.0	114.0 163.0 225.0 300.0 391.0	125.0 179.0 247.0 330.0 430.0	136.0 196.0 270.0 360.0 469.0	159.0 228.0 315.0 420.0 547.0	182.0 261.0 360.0 480.0 626.0	205.0 294.0 405.0 541.0 704.0
61/2" 71/4" 81/4"	51.2 64.0 79.0 96.0 115.0	103.0 128.0 158.0 191.0 230.0	192.0 237.0 288.0	205.0 256.0 315.0 382.0 459.0	320.0 394.0 478.0	384 473 574	0 35 0 44 0 55 0 67 0 80	8.0 2.0 0.0	410.0 513.0 631.0 765.0 918.0	462.0 577.0 709.0 861.0 1033.0	513.0 641.0 788.0 957.0 1148.0	564.0 705.0 867.0 1053.0 1263.0	616.0 769.0 946.0 1148.0 1377.0	718.0 897.0 1104.0 1340.0 1607.0	1262.0	924.0 1154.0 1419.0 1723.0 2066.0
9' 9½' 10'	136.0 160.2 187.0	321.0	408.0 481.0 561.0	545.0 641.0 747.0	801.0	817	0 95	2.0 1	282 0	1226.0 1442.0 1682.0	1363.0 1603.0 1869.0	1763 0	1923.0	1908.0 2244.0 2617.0	2565 0	2885 0

SHAFTING CHARTS . . . FOR DETERMINING

SHAFT SIZES ARE BASED ON A SHEARING STRESS OF TORSIONAL MOMENT, IN THOUSANDS OF INCH POUNDS

COMBINED TORSIONAL AND BENDING MOMENTS



BELTING-HORSE POWER TRANSMITTED

	PULLEY OPERATING AT 100 R.P.M.																	
Diam.	2*	3"	4"	-	,	-			Width	of Belt	0,	12*	14"	16'	18"	20"	22"	24"
of Pulley	8	8	-8	8	D	8	D	8	D	S	D	D	D	D	D	D	D	D
	4-Ply	4-Ply	4-Ply	4-Ply	6-Ply	4-Ply	6-Ply	4-Ply	6-Ply	4-Ply	6-Piy	6-Pty	8-Ply	8-Ply	8-Ply	8-Ply	8-Ply	8-Ply
6	.29	.43	.57	.71	1.3	1.0	1.8				ł		1				l	1
8	.38	.57	.76	95	1.7	1.1	2.1			1	l						l	ľ
ğ	.43	.64	.86	1.1	2.0	1.3	2.4	1.9	3.8	1	l							
10	.48	.71	.95	1.2	2.2	1.4	2.6	2.1	4.2									
11	.52	.79	1.0	1.3	2.4	1.6	2.9	2.3	4.6	2.9	5.8							1
12 13	.57	.86	1.1	1.4	2.6	1.7	3.1	2.5	5.4	3.1	6.8	10.2						
14	.62	1.0	1.3	1.5	3.1	2.0	3.4	2.7	5.9	3.4	7.3	11.0						
15	.71	1.1	1.4	1.8	3.3	2.1	3.9	3.1	6.3	3.9	7.9	11.8	13.8				Į.	1
16	.76	1.1	1.5	1.9	3.5	2.3	4.2	3 4	6.7	4.2	8.4	12.6	14.7					1
17	.81	1.2	1.6	2.0	3.7	2.4	4.5	3.6	7.1	4.5	8.9	13.4	15.6	17.8				1
18	.86	1.3	1.7	2.1	3.9	2.6	5.0	3.8	7.5	4.7 5.0	9.4	14.1	16.5	18.8	22.4			
19 20	.90	1.4	1.8	2.3	4.1	2.7	5.2	4.0	8.4	5.2	10.5	15.7	18.3	21.0	23.6		1	1
21	1.0	1.5	2.0	2.5	4.6	3.0	5.5	4.4	8.8	5.5	11.0	16.5	19.3	22.0	24.8	27.5		1
22	1.0	1.6	2.1	2.6	4.8	3.1	5.8	4.6	9.2	5.8	11.5	17.3	20.2	123.0	25.9	28.8	1	
23	1.1	1.6	2.2	2.7	5.0	3.3	6.0	4.8	9.6	6.0	12.0	18.1	21.1	24.1	27.1	30.1	33.1	ł
24	1.1	1.7	2.3	2.9	5.2	3.4	6.3	5.0	10.0	6.3	12.6	18.8	22.0	25.1	28.3 129.5	31.4	34.5	
25 26	1.2	1.8	2.4	3.0	5.5	3.6	6.6	5.2	10.5	6.6	13.1	19.7	23.8	26.2 27.2	30.6	34.1	36.0	39.3
27	1.3	1.9	2.6	3.2	5.9	3.9	7.1	5.7	11.3	7.1	14.1	21.2	24.7	28.3	31.8	35.4	38.9	42.4
28	1.3	2.0	2.7	3.3	6.1	4.0	7.3	5.9	11.7	7.3	14.7	22.0	25.7	29.3	33.0	136.7	40.3	44.0
29	1.4	2.1	2.8	3.5	6.3	4.1	7.6	6.1	12.1	7.6	15.2	22.8	26.6	30.4	34.2	38.0	41.7	45.5
30	1.4	2.1	2.9	3.6	6.5	4.3	7.9	6.3	12.6	7.9	15.7	23.6	27.5	31.4	35.3	39.3	43.2	47.1
31	1.5	2.2	3.0	3.7	6.8	4.4	8.1	6.5	13.0	8.1	16.2 16.8	24.4 25.1	28.4	32.5 33.5	36.5	40.6	44.7	48.7 50.3
32	1.6	2.4	3.0	3.9	7.2	4.7	8.6	6.9	13.8	8.6	17.3	25.9	30.2	34.6	38.9	43.2	47.5	51.8
34	1.6	2.4	3.2	4.0	7.4	4.9	8.9	7.1	14.2	8.9	17.8	26.7	31.2	35.6	40.1	44.5	49.0	153.4
35	1.7	2.5	3.3	4.2	7.6	5.0	9.2	7.3	14.7	9.2	18.3	27.5	32.1	36.6	41.2	45.8	50.4	55.0
36	1.7	2.6	3.4	4.3	7.9	5.1	9.4	7.5	15.1	9.4	18.8	28.3	33.0	37.7	42.4	47.1	51.8	56.5
38 40		*****	3.6	4.5	8.3	5.4	10.0	8.0	15.9 16.8	10.0 10.5	19.9	29.9 31.4	34.8	39.8	44.8	49.8 52.4	54.7 57.6	59.7 62.8
42	0011		4.0	5.0	9.2	6.0	11 0	8.8	17.6	11 0	22.0	33.0	38.5	44.0	49.5	55.0	60.5	66.0
44			4.2	5.2	9.6	6.3	11.5	9.2	18.4	11.5	23.0	34.6	40.3	46.1	51.8	57.6	63.4	69.1
46			4.4	5.5	10.0	6.6	12.0	9.6	19.3	12.0	24.1	36.1	42.1	48.2	54.2	60.2	66.2	72.2
48			4.6	5.7	10.5	6.9	12.6	10.1	20.1	12.6 13.1	25.1	37.7	44.0	50.3 52.4	56.6 58.9	62.9 65.5	69.1 72.0	75.4 78.5
50 52			0000	6.0	11.3	7.1	13.1	10.5	21.8	13.1	27.2	40.8	47.6	54.4	61.2	68.1	74.9	81.7
54			10000	6.4	11.8	7.7	14.1	11.3	22.6	14.1	28.3	42.4	49.5	56.6	63.6	70.7	77.8	84.8
56				6.7	12.2	8.0	14.7	11.7	23.5	14.7	29.3	44.0	51.3	58.6	66.0	73.3	80.6	88.0
58		11100		6.9	12.7	8.3	15.2	12.1	24.3	15.2 15.7	30.4	45.5	53.1	62.8	68.3	75.9	83.5	91.1
60				7.1	13.1	8.6	15.7	12.6				47.1	55.0			78.6	86.4	94.3
giv	A rim speed of 5,000 feet per minute is the limit of safety of solid cast iron pulleys as ordinarily constructed. A belt speed of 3,500 F. P. M. gives good results. S and D (for single and double) in above table refer to thickness of leather betting. 4-Ply, 6-Ply and 8-Ply refer to thickness of cotton or rubber betting. Belts 5 inches wides or less should be single leather, if possible. Whenever below sizes illustrations are considered by the state of the																	

gives good results. S and D of cotton or rubber belting.	(for single and double) in above table refer to thic Belts 6 inches wide or less should be single leather,	kness of leathe if possible.	Whenever possible use pulleys below rigges	e line.
H = Horse power.	FORMULAE		Double Belts, 2"-6" wide, H =	5 x W
S = Speed in feet per minute. W = Width of belt in inches.	Single Belts, 2"-6" wide, H =	8 x W	Double Belts, 614"-10" wide, H =	SxV
	Single Belts 614"-10" wide H m			500

Diameter in Inches Expressed in Feet of Circumference

Diameter Inches	Circum. Feet	Diameter Inches	Circum. Feet	Diameter Inches	Circum. Feet	Diameter Inches	Circum. Feet	Diameter	Circum. Feet
1	.26	21	5.50	41	10.73	61	15.97	81	21.21
2	.52	22	5.76	42	10.99	62	16.23	82	21.47
3	.79	23	6.02	43	11.26	63	16.49	83	21.73
4	1.05	24	6.28	44	11.52	64	16.76	84	21.99
5	1.31	25	6.55	45	11.78	65	17.02	85	22.25
6	1.57	26	6.81	46	12.04	66	17.28	86	22.51
7	1.83	27	7.07	47	12.30	67	17.54	87	22.78
8	2.09	28	7.33	48	12.57	68	17.80	88	23.04
9	2.36	29	7.59	49	12.83	69	18.06	89	23.30
10	2.62	30	7.85	50	13.09	70	18.33	90	23.56
11	2.88	31	8.12	51	13.35	71	18.59	91	23.82
12	3.14	32	8.38	52	13.61	72	18.85	92	24.09
13	3.40	33	8.64	53	13.88	73	19.11	93	24.35
14	3.67	34	8.90	54	14.14	74	19.37	94	24 61
15	3.93	35	9.16	55	14.40	75	19.63	95	24.87
16	4.19	36	9.42	56	14.66	76	19.90	96	25.13
17	4.45	37	9.69	57	14.92	77	20.16	97	25.39
18	4.71	38	9.95	58	15.18	78	20.42	98	25 66
19	4.97	39	10.21	59	15.45	79	20.68	99	25.92

ELECTRICAL DATA AND OTHER FORMULAE

DEFINITIONS

AMPERE...The unit of electric current, or that current which will flow through a resistance of one ohm, under an electro-motive force (or difference of potential) of one volt.

OHM The resistance offered to the flow of one ampere, with a difference of potential of one volt.

VOLT The unit of electro-motive force, or that difference of potential which will cause a current of one ampere to flow against a resistance of one ohm

WATT...... Unit of power = .001 K.W. = 1746 H.P.

K.W.......Kilowatt = 1000 Watts = $\frac{1000}{74K}$ H.P. = 1.34 H.P.

KW. H. . . . Kilowatt-hour—the equivalent of one K.W. for one hour.

H.P............Work required to raise 33000 pounds one foot in one minute = 746 watts = .746 K.W. TORQUE... The pounds-pull a motor is capable of exerting at starting, or while running continuously without exceeding its temperature guarantee. Torque is usually measured in pounds at one foot radius. F.L. Full load. N.L. No load. P.F. Power factor. N.E.M.A. National Electrical Manufacturers' Association.

FORMULAE

- E = Potential between wires (volts).
- I = Current per wire (amperes). P - Power in kilowatts
- R = Resistance in ohms DIRECT CURRENT $P = \frac{E1}{1000} = power in K.W.$

ALTERNATING CURRENT (a) Single Phase, $P = \frac{E1\cos \emptyset}{1000} = power in K.W.$

Z = Impedance in ohms = Vector sum of resistance and reactance. Angular displacement between current and potential. cos. Ø = power factor. KVA = apparent power (kilo-volt-amperes).

> (b) Three Phase, P = √3 E1cos Ø = power in K.W. (3 wire) (c) Two Phase, P = 2 Elcos Ø =power in K.W.

> > in feet

1000 (4 wire) Formula (c) is correct for two-phase 3-wire where I = current in outside wire in amperes. In this case $\sqrt{2}$ I = current in common

OHM'S LAW (a) for direct current, I =

wire, in amperes.

(b) for alternating current, I = =

OTHER CONVENIENT FORMULAE

HORSE POWER = Working Load x Ft. Per Min. W.L. x Teeth x Pitch x R.P.M. 33000 396000

Torque x R.P.M. = HORSE POWER TOROUR IN INCH POUNDS is converted into H.P. by: Torque x R.P.M. = HORSE POWER TOROUE IN FOOT POUNDS is

5250 converted into H.P. by: HORSE POWER is converted into H.P. x 63000 - TORQUE IN INCH POUNDS

Torque in inch pounds by: RPM HORSE POWER is converted into H.P. x 5250 = TOROUE IN FOOT POUNDS

R.P.M. Torque in foot pounds by: H.P. x 396000 H.P. x 33000 WORKING LOAD Teeth x Pitch x R.P.M. Ft. per min.

Total chain tension BEARING PRESSURE at chain joint

in pounds per square inch Length of bushing x dia. of pin.

Wt. of chain x Center Distance Ibs. per foot x CATENARY TENSION in chain caused by reason of its weight, (Refer to diagram) Wt. of Chain x Sag of Chain 8 x sag in ft. per foot



SAG of CHAIN in FEET = V.375 x S x centers in feet (Approximate)

S = (Total chain in feet from E to F)-Centers in Feet FACTOR OF SAFETY = Ultimate Strength Working Load

WEIGHTS OF MATERIALS

The weights given represent averages for standards of various states, as given in circulars issued by the United States Government, and are also compiled from those given by Cambria.

They represent, in many cases, the weights of materials as settled or packed in bins, while lower weights should generally be figured for materials as slightly agitated or fluffed by handling in elevators, screw conveyors, etc.

Material	Average Weight of One Cu. Ft., Pounds	Specific Gravity Water =1.	Material	Average Weight of One Cu. Ft., Pounds	Specific Gravity Water =1.	Material	Average Weight of One Cu. Ft., Pounds	Specific Gravity Water =1.
Alcohol, proof spirit	55	2.55 1.5 2.8	Concrete, loose, unrammed, weighs 5 to 25% lighter, varying with consistency. Copper, cast	542	8.7	Maple, dry. Marble, crushed. Marl. Oak live perfectly dry. 88 to		2.6
Ash, American White, dry (wood). Ashes of soft coal, solidly	47	.75	Copper, rolled	555 45 40	8.9 .64	Oak, live, perfectly dry, .88 to 1.02. Oak, white, perfectly dry	50 26	1.15 .80
packed Asphaltum Barley	40 87 38	1.4	Cotton seed	15 25 41	.24	Oil, linseed Oil, petroleum Oil, olive and whale		.94 .82 .92
Barytes Batch, Glass Beans	180 90 48		Cotton seed hulls	35 80 to 120		Ore, zine, crushed Ore, soft iron Oxide, Iron Sponge	28 to 50	::::::
Benzine Bauxite, Crushed Bran	50 80 16	.85 (8.20 to	Cypress Earth, common loam, perfectly dry, loose.	38 72 to 80	1.2	Phosphate seid. Phosphate Pebble Phosphate rock Pine, white, perfectly dry		
Brass (copper and zinc), cast Brick, best pressed Brick, common and hard	519 134 112-125	8.60	Earth, common loam, perfectly dry, shaken. Elm, perfectly dry. Feldspar, powdered	82 to 92 42 75	1.2 .67	Pine, Wallow Southern, per- fectly dry.	41 32	.65
Brick, fire. Brickwork, cement. Bronze, copper 8, tin 1 (gun	112-125 144 112		Fir. Flax seed. Flour, 196 pounds per barrel,	35	.55	Quarts Salt, course Salt, dry, fines	90 to 100	.50
metal)	552 24	8.85 .57	net Fullers earth	35 to 40 35 to 45		Sand, damp. Sand, dry	117to130 90 to 110	
net, 376 pounds Cement, Portland, standard	100	1.6	Gold, pure cast, 24 K	1206 166 96	19.32 2.65	Sawdust. Shales.	13 92 160to 180	
Chalk Char Chareoal of pines and oaks	156 45 20 to 38	2.5	Gravel	100 80 to 100 60 to 80	2.2	Siag, furnace, granulated Siate Siurry, cement	175	2.8
Cherry, perfectly dry Chestnut wood, dry Cinder, blast furnace	44 38 57	.70 .60	Hay, baled Hemlock, perfectly dry Hides, green, 85 pounds each. Hickory, perfectly dry	24 25	.40	Soda Soda sab Spruce, dry Steel	32 to 67	7.80
clinkers (coal, asnes and clinkers). Clay, dry, in lump, loose Clinker, cement.	40 75 80 to 95	.64	Iron, east	56	.90 7.15 7.69	Straw, baled Sugar, refined Sulphur	24 55 125	2.0
Coal, Bituminous, solid Coal, Bituminous, broken, of any size, piled	84 to 52	1.27	Lead, commercial Lignumvitae (dry)	709.6 41 to 83	11.38 66tol.3	Tar. Tin, cast, 7.2		1.0 7.29 3.0
Coal, Steam Coke, Breeze Coke, Refiners' Coke, loose, good quality	50 25-34 35-40		Lime, quick. Lime, quick, ground, well shaken	96	2.6 1.5	Turpentine, 300 pounds per barrel Walnut, Black, perfectly dry	41	.87
Concrete, conglomerate, with Portland cement	23 to 32 143-150		Locust, dry	109	1.73	Water, pure rain, distilled, at 32 degrees F., Bar. 30 inches Water, sea.	64.08	1.00
Concrete, gravel, with Port- land cement	150	2.4	Manganese.	56 500	.90	Wheat Zine or Spelter, cast	48 428	6.86

x18". ding to the baling machine used, and amount of compression. A fair average is given above.

Decimal Fauivalent Table

Inches expressed in decimals of a foot							Decimal equ of fracti	ivalents ons			
In. 1/2 1 1/2 2 2/4 3 3/4 4/4 5 5/4 6	Ft. 0417 0833 1250 1667 2083 2500 2917 3333 3750 4167 4583 5	In. 6½ 7 7½ 8 8½ 9 9½ 10 10½ 11 1½ 12	Ft	1/16 1/16 1/16 1/16 1/16 1/16 1/16 1/16	.015625 .03125 .046875 .0625 .078125 .09375 .109375 .125 .140625 .171875 .1875 .203125 .21875 .234375	14 16 14 15	.265625 .28125 .296875 .3125 .328125 .34375 .359375 .375 .390625 .421875 .421875 .453125 .46875 .484375	54 9/16 9/16 9/16 11/16 11/16 44 11/16	.515625 .53125 .546875 .5625 .578125 .59375 .609375 .625 .640625 .65625 .671875 .703125 .71875 .734375	#4 #4 #3/16 #3/16 #3/16 #3/16 #3/16 #3/16 #3/16 #3/16 #3/16 #3/16	.76562: .78125 .79687: .8125 .82812: .84375 .85937: .875 .89062: .90625 .92187: .9375 .95312 .96875

WEIGHTS A ... MEASIIDES

	10113	AND	M	AJUKE		
LONG MEASURE-		LONG	MEASUR	E—		
12 inches 3 feet 1760 yards or 5280 feet	= 1 foot = 1 yard = 1 mile	French U. S. and 1 metre = 39.37 inch				
1700 yards of 5200 iccc	- 1 mile			1 00361 words		

3 feet =1 yar 1760 yards or 5280 feet =1 mil 1000 mils =1 incl 16½ feet or 5½ yards =1 rod (Formerly called pole or perch.)

SOUARE MEASURE-30¼ square yards 160 square rods =1 square rod -1 acre 640 acres =1 square mile

LIQUID MEASURE-

4 cills =1 pint 2 pints -1 quart -1 gallon =231 cu. ins

4 quarts 1 U. S. gallon 1 British Imperial gallon 7.48 U. S. gallons =277,274 cu. ins. =1.2 U. S. sallon =1 cu. ft.

=1 inch

DRY MEASURE, U. S .-2 pints

=1 quart 8 quarts =1 peck 4 pecks 1 Standard U. S. bushel =2,150,42 cu, ins. =1,2445 cu, ft. 1 British Imperial bushel =2.218.19 cu. ins. =1.2837 cu. ft.

BOARD MEASURE-

One foot board measure is a piece of wood 12 inches square by 1 inch thick, or 144 cu, ins. 1 cu, ft, therefore, equals 12 feet board measure.

SHIPPING MEASURE...

Register ton is used to measure internal capacity of ship. 100 cu. ft. =1 register ton. Shipping ton, for measurement of cargo:

(1 U. S. shipping ton 40 cu. ft. = 32.143 U. S. bushels 31.16 Imperial bushels

1 British shipping ton

42. cu. ft. = 33.75 U. S. bushels 32.719 Imperial bushels

MEASURES OF WEIGHT, Avoirdupois-16 drachms or 437.5 grains = 1 ounce (oz.) 16 ounces or 7000 grains = 1 pound (lb.)

22000 pounds =1 net or short ton 2240 pounds =1 gross or long ton 2204.6 pounds =1 metric ton

at 39.2°F, or 4° Centigrade.

SPECIFIC GRAVITY-

The specific gravity of a substance is its weight as compared

with the weight of an equal bulk of pure water. For making specific gravity determinations the temperature of the water is usually taken at 62°F., when 1 cu. ft. of water weighs 62.355 lbs. Water is at its greatest density

TEMPEDATURE...

The following equation will be found convenient for trans-

forming temperature from one system to another: Let F-degrees Fahrenheit; C-degrees Centigrade; Rdegrees Reamur.

 $\frac{F-32}{180} = \frac{C}{100} = \frac{R}{80}$

1 metre =39.37 inches, or 3.28083 feet or 1.09361 yards 3.3048 metre =1 foot

1 centimetre = 0.3937 inch 2.54 centimetres = 1 inch 25.4 millimetres =1 inch

1 kilometre =1093.61 yards, or 0.62137 mile

SOUARE MEASURE-

French U. S. and British 1 square metre -10.764 sq. ft., or 1.199 sq. yds. 0.836 square metre =1 sq. yd.

6.452 square centimetres =1 sq. in. =0.00155 sq. in. = 1973.5 circular mils -1 sq. in. -10,764 sq. ft. 645.2 square millimetres 1 centiare = 1 sq. metre

1 are =1 sq. decametre =1076.41 sq. ft 1 hectare = 100 area =107641, sq. ft. = 2.4711 acres 1 square kilometre =0.386109 sq. miles = 247 11 acres

VOLUME-

French U. S. and British 1 cubic metre =35.314 cu. ft., or 1.308 cu. yds. 0.7645 cubic metre =1 cu. yd. 0.02832 cubic metre 1 cubic decimetre =61.023 cu. ins., or

0.0353 cu. ft. 16.387 cubic centimetres -1 cu. in. 1 litre = 1 cubic decimetre =61.023 cu. in -1.05671 qts. U. S. 1 hectolitre or decistere =3.5314 cu. ft.

=2.8375 bu. U. S. 1 stere, kilolitre, or cubic metre = 1.308 cu. yds.

CAPACITY-Krench U. S. and British

(61.023 cu. ins 01.025 cu. ms. 0.03531 cu. ft. 0.2642 gallon (American) 2.202 pounds of Water at 62°F. 1 litre=1 cubic decimetre

28,317 litres =1 cu. ft. =1 gallon (British) =1 gallon (American) A CA2 literat 3.785 litres

WEIGHT-

1016 kilogrammes

I gram is the weight of I cubic centimeter of water at 4° Cent. French II. S. and Reitich

195

1 gramme 0.0648 gramme =15,432 grains =1 grain =1 ounce avoirdupois =2.2046 pounds 28.35 gramme 1 kilogramme 0.4536 kilogramme =1 pound

1 tonne or metric ton (0.9842 ton of 2240 lbs. _ 19.68 hundredweights or 1000 kilogrammes (cwt.) 2204.6 pounds 1.016 metric tons =1 ton of 2240 por

(Kent) LINK-RELT

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